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## BS-03 Batch Services, Duplicate Management: EDI File Formats

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### Summary

*This document defines the Electronic Data Interchange (EDI) file formats for the Common Search Index.*

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## 1/ Introduction

The transactions are sent between the CSI center and societies through EDI Files. The transactions are the following:

- **Add:** This transaction defines a complete work entry. The work is supposed to be non-existing, and the information will be reported if it is already in the CSI database, without controlling discrepancies. The combination of *Society Code*, *Society Work Code* and *Source DB Code* is the information that allows identifying a work in CSI.
- **Update:** This transaction defines a complete work entry. The work is supposed to be existing in the database and the information will be reported if it is not (no addition by default).
- **Delete:** The work is supposed to be existing in the database and the information will be reported if it is not.
- **Meta data Query :** This transaction requests work Meta data based on the preferred ISWC. The work is supposed to be existing in the database.
- **ISWC Query :** This transaction requests the logical work's preferred ISWC with the work's identifier (the combination of Society Code, Society Work Code and Source DB Code) or the society work's archived ISWC. The work is supposed to be existing in the database and the information will be reported if it is not.

The following Works Information transactions are available within the CSI EDI Standard.

- ⇒ CAR: CSI Add Request
- ⇒ CUR: CSI Update Request
- ⇒ CDR: CSI Delete Request
- ⇒ CMQ: CSI Meta Data Queries
- ⇒ CIQ: CSI ISWC Queries
- ⇒ ACK: CSI Acknowledgement
- ⇒ CSN : CSI Notification

## 2/ Naming Convention and Control Records

### 2.1/ Naming Convention

Refer to CIS guidelines for Electronic Data Interchange Version 2.0

File names should conform to the following construction:

#### **Example:**

If the ISWC Database (society code 315) sends a csn file that was created at 01:12am on July 7, 2020 to ECAD (society code 308), the filename would be:

**ISWC|20200724|011219|308|315|.CSN**

### 2.2/ Control Records

The transactions described in this document are to be used in conjunction with the CISAC EDI Standard header and trailer records described in CIS guidelines for Electronic Data Interchange Version 2.0. For each file there must be a Header record (HDR) and Trailer record (TRL). For each type of transaction within the file, there must be a Group Header record (GRH) and Group Trailer record (GRT). Note that the version number in the Header record (HDR) should be 2.00 for the transactions described in this document which is consistent with the current CIS Electronic Data Interchange Version 2.0 standard.

*Rules relating to the general EDI standards are documented in CIS guidelines for Electronic Data Interchange Version 2.0*

### 3/ Transaction Scenario Maps

The following business scenarios typically occur within the cycle of processing transactions against the Common Search Index (CSI Center). The sequence of transactions required to support each scenario is defined below.

#### 3.1/ CAR: CSI Add Request

Society/Regional Center would like a work added to the CSI

From	To	Transaction	Description
Society/Regional Center that controls the work	Common Search Index Center	CAR	Society delivers a CAR transaction notifying the CSI center of a work to be added to the CSI.
Common Search Index Center	Society/Regional Center that controls the work	ACK	CSI Center acknowledges receipt of the work and indicates whether or not it has been added.
Common Search Index Center	Society/Regional Center that controls the work	CSN	If the work is added into CSI, notification transactions are delivered to societies other than the submitting society listed on the logical work group (if any). Societies that submit to the CSI through their CIS-Net node may also receive notification transactions for their own submissions if needed.
Common Search Index Center	Society/Regional Center that controls the work	CSN	Societies that submit to the CSI through their CIS-Net node may also receive an optional "CSE" file. This file contains CSN transactions for all submissions made by that society that failed with a corresponding MSG record included that explains the error.

#### 3.2/ CUR: CSI Update Request

Society/Regional Center would like to update a work that already exists in the CSI

From	To	Transaction	Description
Society/Regional Center that controls the work	Common Search Index Center	CUR	Society delivers a CUR transaction notifying the CSI center of a work to be updated in the CSI.
Common Search Index Center	Society/Regional Center that controls the work	ACK	CSI Center acknowledges receipt of the work and indicates whether or not it has been updated.
Common Search Index Center	Society/Regional Center that controls the work	CSN	If the work is updated in CSI, notification transactions are delivered to societies other than the submitting society listed on the logical work group (if any). Societies that submit to the CSI through their CIS-Net node may also receive notification transactions for their own submissions if needed.
Common Search Index Center	Society/Regional Center that controls the work	CSN	Societies that submit to the CSI through their CIS-Net node may also receive an optional "CSE" file. This file contains CSN transactions for all submissions made by that society that failed with a corresponding MSG record included

### 3.3/ CDR: CSI Delete Request

Society/Regional Center would like to delete a work that already exists in the CSI

From	To	Transaction	Description
Society/Regional Center that controls the work	Common Search Index Center	CDR	Society delivers a CDR transaction notifying the CSI center of a work to be logically deleted in the CSI.
Common Search Index Center	Society/Regional Center that controls the work	ACK	CSI Center acknowledges receipt of the work and indicates whether or not it has been logically deleted in CSI.
Common Search Index Center	Society/Regional Center that controls the work	CSN	If the work is logically deleted in CSI, notification transactions are delivered to societies other than the submitting society listed on the logical work group (if any). Societies that submit to the CSI through their CIS-Net node may also receive notification transactions for their own submissions if needed
Common Search Index Center	Society/Regional Center that controls the work	CSN	Societies that submit to the CSI through their CIS-Net node may also receive an optional "CSE" file. This file contains CSN transactions for all submissions made by that society that failed with a corresponding MSG record included that explains the error.

### 3.4/ CMQ: CSI Meta Data Queries

Society/Regional Center would like to query a work Meta data info by the preferred ISWC number that already exists in the CSI

From	To	Transaction	Description
Society/Regional Center that controls the work	Common Search Index Center	CMQ	Society delivers a CMQ transaction to query from the CSI center
Common Search Index Center	Society/Regional Center that controls the work	ACK	CSI Center acknowledges receipt of the query request and response the work Meta data information

### 3.5/ CIQ: CSI ISWC Queries

Society/Regional Center would like to query the preferred ISWC information by the work's identifier or archived ISWC that already exists in the CSI

From	To	Transaction	Description
Society/Regional Center that controls the work	Common Search Index Center	CIQ	Society delivers a CIQ transaction to query from the CSI center
Common Search Index Center	Society/Regional Center that controls the work	ACK	CSI Center acknowledges receipt of the query request and response the work ISWC information.

## 4/ Request Transaction Header Records

- 4.1/ CAR: CSI Add Request /
- 4.2/ CUR: CSI Update Request /
- 4.3/ CDR: CSI Delete Request /
- 4.4/ CMQ: CSI Meta Data Queries /
- 4.5/ CIQ: CSI ISWC Queries /

### Transaction Description

The CSI Add Request (CAR), CSI Update Request (CUR) and CSI Delete Request (CDR) are transactions that will be formatted by societies and sent to the CSI Center. The purpose of these transactions is to allow societies to add, update or delete works.

The CSI Meta Data Queries (CMQ) and CSI ISWC Queries (CIQ) are transaction that societies can use to query Meta data information or ISWC information from CSI Center.

### Transaction Format

Record Type	Name	Req	Max Use	Comments
CAR / CUR / CDR / CMQ/ CIQ	CSI Add Request/ CSI Update Request/ CSI Delete Request / CSI Meta Data Queries / CSI ISWC Queries	M	1	
CTL	Work Title	O	M	
CIP	Interested Parties Set	C	M	It is optional for CDR/CMQ/CIQ For CAR/CUR transaction more than one CIP is optional but the first one is mandatory.

### Record Description

The **CAR/CUR/CDR/CMQ/CIQ** record contains information specific to a request and occurring at a work (request) level. Detail records can be listed subsequent to the CTL/CIP record providing further information on the content.

Note that for CAR/CUR transaction more than one CIP is optional but the first one is mandatory.



## Record Format

Field	Start	Size	Fmt	Req	Field Description	Field Rules
<i>Record Type</i>	1	3	A	M	Set Record Type = CAR (CSI Add Request) for adding work, CUR (CSI Update Request) for work updating, CDR (CSI Delete Request) for work logical delete, CMQ (CSI Meta Data Queries) for meta data query, CIQ (CSI ISWC Queries) for ISWC query.	*1
<i>Transaction Sequence #</i>	4	8	N	M	If this is the first transaction within a request file, the <i>Transaction Sequence #</i> must be equal to 00000000. Otherwise, for transaction headers, the <i>Transaction Sequence #</i> must be equal to the previous transaction header's <i>Transaction Sequence #</i> incremented by 1. For detail records, the <i>Transaction Sequence #</i> must be equal to the <i>Transaction Sequence #</i> of the previous transaction header.	*
<i>Record Sequence #</i>	12	8	N	M	For transaction headers, always set to 00000000 since CRW indicates that this is the first record within the work group.	*
<i>Work Title</i>	20	60	A	C	Original Work Title	6
<i>Society Code</i>	80	3	L	C	Society Code representing the society that submitted the file. Values for this field reside in the <a href="#">Society Code Table</a> .	2, 3
<i>Society Work Code</i>	83	20	A	C	Society Work Code The combination of <i>Society Code</i> , <i>Society Work Code</i> and <i>Source DB Code</i> is the information that allows identifying a musical work in the database of the society that contributed it to the CSI.	2, 4
<i>Source DB Code</i>	103	3	L	C	Society Source Database indicates the Source Database that fetches the submitted work. Values for this field reside in the <a href="#">Society Code Table</a> .	2, 5
<i>Preferred ISWC</i>	106	11	A	C	Preferred ISWC (It is a mandatory field for CUR, CDR and CMQ and it is an optional field for CAR)	7,8,9,10,11

<sup>1</sup> An “\*” refers to the general EDI standard validation as documented in [CIS guidelines for Electronic Data Interchange Version 2.0](#)

Archived ISWC	117	11	A	O	The submitted ISWC, which after validation by the ISWC generating center has been determined to be a duplicate of another, ISWC previously assigned by another ISWC agency. Archived ISWC is an optional field for CAR, CUR, CDR, CMQ and CIQ.	12,13, 14, 15, 16,17
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### **Transaction Level Validation**

1. Only one CAR/CUR/CDR/CMQ/CIQ record is allowed per transaction. (TR)
2. If Record Type is equal to CAR, this work should not exist in CSI center. (TR)
3. If Record Type is equal to CUR or CDR, this work must exist in CSI center and the work must not be logically deleted. (TR)
4. For Add/Update/ ISWC Query transactions (CAR, CUR) at least one CIP record must be included in each transaction. (TR)
5. If CSI is unavailable to process a transaction. (TR)
6. (Reserved)
7. If work's metadata is the same as on CSI, transaction is ignored.(FR)
8. If work does not contain an IP with creator affiliation from submitting society, transaction is ignored.(FR)
9. For Add/Update/ ISWC Query transactions (CAR, CUR) at least one Title must be included in each transaction. (TR)
10. If work contains more than one original title, transaction is rejected.(TR)
11. If work submission does not contain IP with creator role, transaction is rejected. (TR)
12. If work submission has a different set of IP's then logical work on CSI, transaction is rejected. (TR)
13. If Record Type is CUR and work is "deleted" on CSI, transaction is rejected. (TR)
14. For add transactions archived/preferred ISWC must not point to an existing CSI logical work that already contains active(not deleted) submission from the submitting society, transaction is rejected. (TR)
15. If the request is an illegal society submission from source db, transaction is rejected. (TR)
16. If The matching criteria not satisfied, transaction is rejected. (TR)

NOTE: All Interested Parties (CIP) should be entered for CUR. This will be used in the matching algorithm.

### **Field Level Validation**

1. Record Type must be entered and must match a valid request type. It must be one of the service types that SCI provides to societies. They are CAR, CUR, CDR, CMQ and CIQ. (ER)
2. Society Code, Society Work Code and Source DB Code are mandatory fields for CAR, CUR and CDR (TR)
3. Society Code must be entered and must match an entry in the Society Code Table. It is a mandatory field for CAR, CUR and CDR. (TR)
4. Society Work Code must be entered. It is a mandatory field for CAR, CUR and CDR. (TR)
5. Source DB Code must be entered and must match an entry in the Society Code Table. It is a mandatory field for CAR, CUR and CDR. (TR)
6. Original Work Title must be entered and must match the title referred to by either ISWC or the combination of Society Code, Society Work Code and Source DB Code. (TR)
7. Preferred ISWC is a mandatory field for CUR, CDR and CMQ. (TR)
8. Preferred ISWC must have length of 11 characters(TR).
9. Preferred ISWC must begin with "T". (TR)
10. Preferred ISWC must match following this pattern: [T][0-9]{10}(TR)

11. Preferred ISWC must match valid "check digit". (TR)
12. Archived ISWC must have length of 11 characters. (TR)
13. Archived ISWC must begin with "T". (TR)
14. Archived ISWC must match following this pattern: [T][0-9]{10}(TR)
15. Archived ISWC must match valid "check digit". (TR)
16. Modification of an Archived ISWC is not permitted. (TR)
17. If work submission contains Preferred ISWC that does not exist on CSI. (TR)

## 5/ Acknowledgement Transaction Header Records

### 5.1/ ACK: CSI Acknowledgement /

### 5.2/ CSN : CSI Notification

#### Transaction Description

The CSI Acknowledgement (**ACK**) includes five kind of request Acknowledgement. It will be formatted by CSI center and sent to societies.

The acknowledgment will indicate whether or not the CSI Center accepted the transaction. The acknowledgment will include any error or warning messages associated with the original transaction. Detail records can be listed subsequent to the CWI/CTL/CIP/MSG record providing further information on the content

The CSI Notification (CSN) is formatted by the CSI Center and sent to societies. A CSN is generated as a notification to the societies that are potentially impacted by the submission of a CAR/CUR/CDR from a submitter society. Note that errors in the MSG records will not be included as part of the CSN record set.

#### Transaction Format

Record Type	Name	Req	Max Use	Comments
ACK / CSN	CSI Add Acknowledgement/ CSI Notification	M	1	Either ACK or CSN is required
CWI	CSI Work Info	C	M	
CTL	Work Title	C	M	
CIP	Interested Parties Set	C	M	
DER	Derived from works Set	C	M	
INS	Instrumentation Set	C	M	
PER	Performer Set	O	M	
MER	Merge Info	O	M	
MSG	CSI Message	C	M	

#### Record Description

The **ACK** record identifies and provides a status on the transaction that this acknowledgment has been generated for. In addition, other information is provided that can be used by the recipient to link the acknowledgment back to the original transaction.

For CMQ/CIQ request, multiple CTL and CIP records are allowed in one ACK transaction, as there may be more than one title and IP for each specific work. Multiple CWI records are allowed in one ACK transaction, as there may be more than one Duplicate society work for each specific work.

## **Record Format**

<b>Field</b>	<b>Start</b>	<b>Size</b>	<b>Fmt</b>	<b>Req</b>	<b>Field Description</b>	<b>Field Rules</b>
<i>Record Type</i>	1	3	A	M	Set Record Type = ACK	*
<i>Transaction Sequence #</i>	4	8	N	M	If this is the first transaction within a group, the Transaction Sequence # must be equal to 00000000. Otherwise, the Transaction Sequence # must be equal to the previous transaction header's Transaction Sequence # incremented by 1.	*
<i>Record Sequence #</i>	12	8	N	M	Always set to 00000000.	*
<i>Creation Date</i>	20	8	D	M	The Creation Date of the original file that contained the transaction that this transaction applies to.	1,2
<i>Creation Time</i>	28	6	T	M	The Creation Time of the original file that contained the transaction that this transaction applies to.	1,2
<i>Original Group Number</i>	34	5	N	M	The Group Number within which the original transaction that this transaction applies to was located. Note that if the transaction is a result of a HDR or TRL record problem, set this field to zeroes.	2
<i>Original Transaction Sequence #</i>	39	8	N	M	The Transaction Sequence # of the original transaction that this transaction applies to. Note that if the ACK is a result of a HDR or TRL record problem, set this field to zeroes.	2
<i>Original Transaction Type</i>	47	3	L	M	The Transaction Type of the original transaction that this transaction applies to. Note that if the ACK is a result of a HDR or TRL record problem, set this field to HDR or TRL (whichever is applicable).	3
<i>Work Title</i>	50	60	A	C	Work Title	8
<i>Society Code</i>	110	3	N	C	Society Code representing the society that submitted the file. Values for this field reside in the Society Code Table.	4
<i>Society Work Code</i>	113	20	A	C	Society Work Code The combination of <i>Society Code</i> , <i>Society Work Code</i> and <i>Source DB Code</i> is the information that allows identifying a musical work in the database of the society that contributed it to the CSI.	5
<i>Source DB Code</i>	133	3	N	C	Society Source Database indicates the Source Database that fetches the submitted work. Values for this field reside in the Society Code Table.	6
<i>Preferred ISWC</i>	136	11	A	M	Preferred ISWC Number	7
<i>Processing Date</i>	147	8	D	M	The date this transaction or file was formally processed by the recipient.	9

Field	Start	Size	Fmt	Req	Field Description	Field Rules
<i>Transaction Status</i>	155	2	L	M	The current status of this transaction. Values for this field reside in the Transaction Status Table.	10
<i>Filler</i>	157	11	A	M	Filler at the end of the record. Can be ignored.	

### **Transaction Level Validation**

Only one ACK is allowed per transaction. (TR)

### **Field Level Validation**

1. *The combination of Creation Date and Creation Time must match the same fields found on the HDR record of a file generated by the submitter. (TR)*
2. *The combination of Original Group Number and Transaction Sequence # must be valid within the file referred to by Creation Date and Creation Time. (TR)*
3. *Original Transaction Type must match the transaction referred to by the combination of Creation Date, Creation Time, Original Group #, and Original Transaction Sequence #. (TR)*
4. *Society Code must be entered and must match an entry in the Society Code Table. (TR)*
5. *Society Work Code must be entered. (TR)*
6. *Source DB Code must be entered and must match an entry in the Society Code Table. (TR)*
7. *Preferred ISWC must be a valid ISWC Number. (TR)*
8. *Work Title (i.e. Original Title) must be entered (TR)*
9. *Processing Date must be a valid date. (TR)*
10. *Transaction Status must match an entry in the Transaction Status table. (TR)*

## **6/ Record Detail**

Detail Records contain information beyond the transaction header that is required to define each transaction. The following record types are defined in this section...

- ⇒ **CTL:** Work Title
- ⇒ **CIP:** Interested Parties Set
- ⇒ **CWI:** CSI Work Information
- ⇒ **MSG:** CSI Message

## 6.1/ CTL: Work Title

The Work Title record describes the title information of a specific work. Each work can have an original title and many alternate titles.

*Multiples CTL records are allowed in one transaction as there may be more than one title fulfilling each specific work.*

### 6.1.1/ Record Format

Field	Start	Size	Fmt	Req	Field Description	Field Rules
<i>Record Type</i>	1	3	A	M	CTL = Work Title It is a Tag indicates the Work Title	*
<i>Transaction Sequence #</i>	4	8	N	M	For Work Title records, the Transaction Sequence # must be equal to the Transaction Sequence # of the previous transaction header.	*
<i>Record Sequence #</i>	12	8	N	M	For transaction headers, always set to 00000000. For detail records, set this field to the Record Sequence # of the previous record written to the file incremented by 1.	*
<i>Work Title</i>	20	60	A	M	Work Title	1
<i>Title Type</i>	80	2	L	M	The work title type of the work. Values for this field reside in the Title Type Table.	2,3

### 6.1.2/ Field Level Validation

1. *Work Title* must be entered. (TR)
2. *Title Type* must be entered. (TR)
3. *Title Type* must an entry in the Title Type table. (TR)

## 6.2/ CIP: Interested Parties

### 6.2.1/ Record Description

The Interested Parties (CIP) record describes the Interested Parties information for a specific work and an interested party is defined as a person or a body who has contributed in some way to a creation or acquired rights in it. The unique IP Base number can identify a specific interested party. As the local nodes use IP Name Number, IPB#<->IPN# conversions occur at CSI update time and at CSI querying time.

*Multiple CIP records are allowed in one transaction as there may be more than one interested party (IP) fulfilling each specific work.*

### 6.2.2/ Record Format

Field	Start	Size	Fmt	Req	Field Description	Field Rules
<i>Record Type</i>	1	3	A	M	CIP = Interested Parties It indicates the information regarding Interested Parties	*
<i>Transaction Sequence #</i>	4	8	N	M	For IP records, the <i>Transaction Sequence #</i> must be equal to the <i>Transaction Sequence #</i> of the previous transaction header.	*
<i>Record Sequence #</i>	12	8	N	M	For transaction headers, always set to 00000000. For detail records, set this field to the <i>Record Sequence #</i> of the previous record written to the file incremented by 1.	*
<i>IP Name Number</i>	20	11	N	C	IP Name Number: Within the IP base record, identifying each of the names of that person - one number per name.	1, 2, 3, 4, 5
<i>IP Base Number</i>	31	13	A	O	IP Base Number: Identifying the natural or legal person. The field is an optional field	
<i>IP Role</i>	44	2	L	M	Musical works interested party roles Values for this field reside in the Writer Designation Table or Publisher Type Table.	6,7

### 6.2.3/ Field Level Validation

1. IP Name Number must be entered if there is no IP Base Number. (TR)
2. IP Name Number must be entered for CAR, CUR and CIQ transaction (TR)
3. IP Name Number must be numeric value. (TR)
4. IP Name Number must be status 1 or 2 and exist in the IPI database. (TR)
5. All IP Name Number (CIP) must be entered for CUR and CIQ. (TR)
6. IP Role must be entered. (TR)
7. IP Role must be one of the codes in the table of Writer Designation Table or Publisher Type Table. (TR)

PLEASE NOTE: the IP Name numbers are required for requests sent to the CSI for all update transaction types. However, the IP Base numbers will be returned in the response record sequences. Additionally, if there are any exceptions relating to a submitted IP Name Number the submitted IP Name Number will be returned.

## 6.3/ MSG: Message

### 6.3.1/ Record Description

MSG records are used to communicate the results of validation and processing result on individual transactions to the originator.

### 6.3.2/ Record Format

Field	Start	Size	Fmt	Req	Field Description	Field Rules
<i>Record Type</i>	1	3	A	M	Set Record Type = MSG (Message)	*
<i>Transaction Sequence #</i>	4	8	N	M	The Transaction Sequence # of the previous transaction header.	*
<i>Record Sequence #</i>	12	8	N	M	The Record Sequence # of the previous record written to the file incremented by 1.	*
<i>Message Type</i>	20	1	L	M	Indicates whether this information is a warning, error, or for information only. Values are F = Field Rejected, R = Record Rejected, T = Transaction Rejected, G = Group Rejected, E = Entire File Rejected	1
<i>Original Record Sequence</i>	21	8	N	M	The Record Sequence Number within the packet associated with this acknowledgment that caused the generation of this message.	2
<i>Original Record Type</i>	29	3	A	M	The record type within the original transaction that caused generation of this message.	5
<i>Message Level</i>	32	1	L	M	The level of editing that was responsible for generation of this message. Values are E = Entire File, G = Group, T = Transaction, R = Record, F = Field.	3
<i>* Condition Number</i>	33	3	A	M	Identifies the specific edit condition that generated this message. Note that the combination of Record Type, Message Level, and Condition Number points back to a condition within this document.	6
<i>Message Text</i>	36	150	A	M	The text associated with this message.	4

Note: Condition Number will start at 100 to distinguish the messages from WID messages

### 6.3.3/ Field Level Validation



1. Message Type must be entered and must be equal to F, R, T, G or E. (TR)
2. *Original Record Sequence #* must correspond to a value contained within the packet that caused the generation of this message. (TR)
3. *Message Level* must be equal to F, R, T, G or E. (TR)
4. *Message Text* must be entered and must match the text on the corresponding edit within this document. (TR)
5. *Original Record Type* must correspond to the value contained in the record that generated this message. (TR)
6. Condition Number must be entered and must point back to a condition within this document. (TR)

## 6.4/ CSI Work Information

### 6.4.1/ Record Description

The CSI Work Information record provides the CSI society work information. Each CWI record describes society work information.

Multiple CWI records are allowed in one transaction, as there may be more than one Society Work for each logical work.

### 6.4.2/ Record Format

Field	Start	Size	Fmt	Req	Field Description	Field Rules
<i>Record Type</i>	1	3	A	M	Set Record Type = CWI	*
<i>Transaction Sequence #</i>	4	8	N	M	If this is the first transaction within a group, the Transaction Sequence # must be equal to 00000000. Otherwise, the Transaction Sequence # must be equal to the previous transaction header's Transaction Sequence # incremented by 1.	*
<i>Record Sequence #</i>	12	8	N	M	For transaction headers, always set to 00000000. For detail records, set this field to the <i>Record Sequence #</i> of the previous record written to the file incremented by 1.	*
<i>Society Code</i>	20	3	L	M	Society Code representing the society that submitted the file. Values for this field reside in the Society Code Table.	1
<i>Society Work Code</i>	23	20	A	M	Society Work Code The combination of <i>Society Code</i> , <i>Society Work Code</i> and <i>Source DB Code</i> is the information that allows identifying a musical work in the database of the society that contributed it to the CSI.	2
<i>Source DB Code</i>	43	3	L	M	Society Source Database indicates the Source Database that fetches the submitted work. Values for this field reside in the Society Code Table.	3
<i>Preferred ISWC</i>	46	11	A	O	Preferred ISWC	4
<i>Archived ISWC</i>	57	11	A	O	Archived ISWC	5

Field	Start	Size	Fmt	Req	Field Description	Field Rules
-------	-------	------	-----	-----	-------------------	-------------

### 6.4.3/ Field Level Validation

1. Society Code must be entered and must match an entry in the Society Code Table. (TR)
2. Society Work Code must be entered. (TR)
3. Source DB Code must be entered and must match an entry in the Society Code Table. (TR)
4. Preferred ISWC must be a valid ISWC Number. (TR)
5. Archived ISWC must be a valid ISWC Number. (TR)

## 7/ Request EDI Format Example

### 7.1/ A simple example

The society has created an EDI file on January 1st, 2007 at 08 am that has been transmitted on the day after. This file contains two work requests.

To add a work into CSI, the following records would be required. For clarity sake, I have presented the data in tables. The tables are easier to read than a string of data. The two works' information is shown in the following tables.

The first work information

Field	Contents
SOCDCDE	101
SOCWORKCDE	31360736
SOCDB	101
Work Title	LOVE ALWAYS
Title Type	OT
Preferred ISWC	T0719844855
IP Name Number	256672835
IP Base Number	I-001591889-3
IP ROLE	C

The second work information

Field	Contents
SOCDCDE	101
SOCWORKCDE	31950523
SOCDB	101
Work Title	BRING ME JOY
Title Type	OT
Preferred ISWC	T0720646729
IP Name Number	121434421
IP Base Number	I-001601887-2
IP ROLE	CA

The EDI file should be the following format:

```

HDR  SO          000000101  SOCAN          02.00          20070101 080001  20070101
GRH  CAR          00001      01.00
CAR  00000000 00000000  LOVE ALWAYS  101          31360736 101
                                     T0719844855 T0719844855
    
```

CIP	00000000	00000001	256672835	I-001591889-3	C
CAR	00000001	00000000	BRING ME	101	31950523 101
			JOY		
			T0720646729	T0720646729	
CIP	00000001	00000001	121434421	I-001601887-2	CA
GRT	00001	00000002	00000006		
TRL	00001	00000002	00000008		



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03BatchServicesDuplicateManagementEDIFileFormats\_01.03\_en.  
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## 8/ Appendix

### Example of CSI Transactions

#### 8.1/ File To Add Works To CSI center

Request file name: CSI20070601160638315101.010

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
345678901234567890123456789012345678901234567890  
1 2 3 4 5 6 7 8 9 0 1  
2 3 4 5 6

```
HDRSO000000300CSI CENTER                                02.002007090618412720070609
GRHCAR0000101.00
CAR000000000000000000000000TEST CAST TWENTY SIX MMMM DUP ISWC          101CSI-UAT-M-26.0      300
T0000000134
CIP00000000000000001 257751835                                CA
CAR000000010000000000000000TEST CAST TWENTY SIX MMMM DUP ISWC SECOND WORK 101CSI-UAT-M-26.1      300
T0000000134
CIP0000000100000001 236064583                                CA
GRT000010000000200000006
TRL000010000000200000008
```

8.2/ Acknowledgement File From CSI center (CAR)

Response file name: CSI20070601190620101315.010

```

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
34567890123456789012345678901234567890123456789012345678901234567890
      1      2      3      4      5      6      7      8      9      0      1
      2      3      4      5      6
HDRSO000000315CSI CENTER                                02.002008021409202120080214
GRHACK0000101.00
ACK00000000000000002008021409182100001000000000CARTEST CASE M NINE STATUS 2 BASE
074CSI-UAT-M-09          300T900000289120080214FA
GRT000010000000100000003
TRL000010000000100000005
  
```

8.3/ Acknowledgement File From CSI center (CMQ)

Response file name: CSI20080220151420044315.010

```

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
34567890123456789012345678901234567890123456789012345678901234567890
      1           2           3           4           5           6           7           8           9           0           1
      2           3           4           5           6
HDRSO0000000315CSI CENTER                                02.002008022015142320080220
GRHACK0000101.00
ACK00000000000000000002008022015142000001000000000CMQ
044CSI-UAT-Q-02.0      044T000000162620080220FA
CTL000000000000000001TEST CASE QUERY TWO MJKLD                                OT
CIP00000000000000002      I-000246486-8C
CIP00000000000000003      I-001495886-0C
CIP00000000000000004      I-001654450-4C
GRT000010000000100000007
TRL000010000000100000009

```

## 8.4/ Message Table

The following table lists the message text that is returned to the submitter as part of the acknowledgement processing from the CSI. Note in addition to any EDI submission file exceptions, the CSI will return messages as a result of processing at the CSI. These messages are noted in the table below and the Message Condition precedes the message text. The Condition Number will start at 100 to distinguish the messages from WID messages

Sample Message record:

**MSG0000001100000001T00000000CART102Submitted work information exists on the CSI (source database, source society code, source society work code)**

Message Type	Original Record Type	Level	Condition Number	Message Text
T	CAR/CUR/CDR	T	102	Submitted work information exists on the CSI (source database, source society code, source society work code)
T	CAR/CUR/CDR	T	103	Requested CSI metadata does not exist for specified Society Work Code, Society Code and Society Database Code
T	CAR/CUR/CDR	T	104	At least one I.P. is required on a submission
T	CAR/CUR/CDR	T	105	CSI Unable to process record, please resubmit
T	CAR/CUR/CDR	T	106	(Reserved)
F	CAR/CUR/CDR	T	107	CSI metadata already exists – Modification ignored
F	CAR/CUR/CDR	T	108	The IP on the work submission is not a creator affiliated with the source society
T	CAR/CUR/CDR	T	109	Work Title(s) are required
T	CAR/CUR/CDR	T	110	Only one Original Title allowed
T	CAR/CUR/CDR	T	111	At least one creator I.P. is required
T	CAR/CUR/CDR	T	112	Submitted I.P.s do not match the I.P.s on the CSI metadata for the requested ISWC (preferred)
T	CAR/CUR/CDR	T	113	CSI Work Metadata has been deleted
T	CAR/CUR/CDR	T	114	<i>An existing CSI logical work that already contains active(not deleted) submission from the submitting society</i>
T	CAR/CUR/CDR	T	115	Specified source db is not

				allowed to make a submission for the specified society
T	CAR/CUR/CDR	T	116	ISWC is modified and the new CSI Documentation does not match the submitted documentation
T	CAR/CUR/CDR	F	102	Mandatory work information required
T	CAR/CUR/CDR	F	103	Source Society Code is invalid
T	CAR/CUR/CDR	F	104	Society Work Code is required
T	CAR/CUR/CDR	F	105	Source Society Database code is invalid
T	CAR/CUR/CDR	F	106	Original Work Title is required
T	CAR/CUR/CDR	F	107	Preferred ISWC is required
T	CAR/CUR/CDR	F	108	Incorrect ISWC format (length exceeds 11 characters)
T	CAR/CUR/CDR	F	109	ISWC must begin with 'T'
T	CAR/CUR/CDR	F	110	ISWC format error [T][0-9]{10}
T	CAR/CUR/CDR	F	111	ISWC format error – Invalid Check Digit
T	CAR/CUR/CDR	F	112	Archived ISWC format error (length exceeds 11 characters)
T	CAR/CUR/CDR	F	113	Archived ISWC must begin with 'T'
T	CAR/CUR/CDR	F	114	Archived ISWC format error [T][0-9]{10}
T	CAR/CUR/CDR	F	115	Archived ISWC format error – Invalid Check Digit
T	CAR/CUR/CDR	F	116	Modification of an Archived ISWC is not permitted
T	CAR/CUR/CDR	F	117	Requested ISWC (preferred) does not exist on CSI
T	CTL	F	101	Work Title is required for specified Title Type
T	CTL	F	102	Work Title Type is required
T	CTL	F	103	Work Title Type is invalid
T	CIP	F	102	I.P. Name Number is required
T	CIP	F	103	I.P. Name Number is invalid, must be numeric
T	CIP	F	104	IP Name Number must be status 1 or 2 and exist in the IPI database.
T	CIP	F	106	I.P. Role Code is required
T	CIP	F	107	I.P. Role Code is invalid
T	CAR/CUR/CDR	T	118	No ISWC Eligible documentation found in the CSI for linking the submitted documentation
T	CAR/CUR/CDR	T	119	Society is not permitted to submit the MWI category from this channel. Please see administrator



T	CAR/CUR/CDR	T	120	Source database is not permitted to submit this class of works from this channel. Please see administrator
T	CAR/CUR/CDR	T	121	Same work documentation already exists from different submitting source db.
T	CAR/CUR/CDR	T	122	Multiple ISWC Eligible documentations found in the CSI for linking the submitted documentation
T	CAR/CUR/CDR	T	201	2000.1000:CSI Unable to process record, please resubmit
T	CAR/CUR/CDR	T	202	2001.1000:More than one duplicate was identified for the requested work submission
T	CAR/CUR/CDR	T	203	2002.1000:CSI metadata already exists - Modification ignored
T	CAR/CUR/CDR	T	204	2003.1000:The IP on the work submission is not a creator affiliated with the source society
T	CAR/CUR/CDR	T	205	2004.1000:Submitted work information exists on the CSI (source database, source society code, source society work code)
T	CAR/CUR/CDR	T	206	2005.2100:Preferred ISWC is required
T	CAR/CUR/CDR	T	207	2005.2101:Incorrect ISWC format (length exceeds 11 characters)
T	CAR/CUR/CDR	T	208	2005.2102:ISWC must begin with 'T'
T	CAR/CUR/CDR	T	209	2005.2103:ISWC format error [T][0-9]{10}
T	CAR/CUR/CDR	T	210	2005.2104:ISWC format error - Invalid Check Digit
T	CAR/CUR/CDR	T	211	2005.2200:Mandatory work information required
T	CAR/CUR/CDR	T	212	2005.2201:Work Category is invalid
T	CAR/CUR/CDR	T	213	2005.2203:Source Society Code is invalid
T	CAR/CUR/CDR	T	214	2005.2204:Source Society Database code is invalid
T	CAR/CUR/CDR	T	215	2005.2205:Society Work Code is required
T	CAR/CUR/CDR	T	216	2005.2206:Society Work Code must not exceed 20 characters
T	CAR/CUR/CDR	T	217	2005.2207:Deleted attribute is set on a modify or add operation, please use the appropriate delete API.
T	CAR/CUR/CDR	T	218	2005.2300:Archived ISWC is required
T	CAR/CUR/CDR	T	219	2005.2301:Archived ISWC format error (length exceeds 11

				characters)
T	CAR/CUR/CDR	T	220	2005.2302:Archived ISWC must begin with 'T'
T	CAR/CUR/CDR	T	221	2005.2303:Archived ISWC format error [T][0-9]{10}
T	CAR/CUR/CDR	T	222	2005.2304:Archived SWC format error - Invalid Check Digit
T	CAR/CUR/CDR	T	223	2005.2400:Work Title(s) are required
T	CAR/CUR/CDR	T	224	2005.2401:Work Title is required for specified Title Type
T	CAR/CUR/CDR	T	225	2005.2402:Work Title Type is required
T	CAR/CUR/CDR	T	226	2005.2403:Work Title Type is invalid
T	CAR/CUR/CDR	T	227	2005.2404:Only one Original Title allowed
T	CAR/CUR/CDR	T	228	2005.2405:Work Title cannot exceed 200 characters
T	CAR/CUR/CDR	T	229	2005.2500:At least one I.P. is required on a submission
T	CAR/CUR/CDR	T	230	2005.2501:At least one creator I.P. is required
T	CAR/CUR/CDR	T	231	2005.2502:I.P. Name Number is required
T	CAR/CUR/CDR	T	232	2005.2503:I.P. Name Number is invalid, must be numeric
T	CAR/CUR/CDR	T	233	2005.2504:I.P. Role Code is required
T	CAR/CUR/CDR	T	234	2005.2505:I.P. Role Code is invalid
T	CAR/CUR/CDR	T	235	2006.1000:Submitted I.P.s do not match the I.P.s on the CSI metadata for the requested ISWC (preferred)
T	CAR/CUR/CDR	T	236	2007.1000:IP Name Number must be status 1 or 2 and exist in the IPI database.
T	CAR/CUR/CDR	T	237	2008.1000:CSI Work Metadata has been deleted
T	CAR/CUR/CDR	T	238	2009.1000:Requested ISWC (preferred) does not exist on CSI
T	CAR/CUR/CDR	T	239	2010.1000:Requested CSI metadata does not exist for specified Society Work Code, Society Code and Society Database Code
T	CAR/CUR/CDR	T	240	2011.1000:CSI metadata exists with the submitted work metadata for the same submitting society
T	CAR/CUR/CDR	T	241	2012.1000:Modification of an Archived ISWC is not permitted
T	CAR/CUR/CDR	T	242	2014.1000:Specified source db is not allowed to make a submission for the specified society
T	CAR/CUR/CDR	T	243	2015.1000:ISWC is modified and the new CSI Documentation does not match the submitted

				documentation
T	CAR/CUR/CDR	T	244	2016.1000:No ISWC Eligible documentation found in the CSI for linking the submitted documentation
T	CAR/CUR/CDR	T	245	2019.1000:Same work documentation already exists from different submitting source db.
T	CAR/CUR/CDR	T	246	2020.1000:Multiple ISWC Eligible documentations found in the CSI for linking the submitted documentation

Since CSI v 3.8.8

Message Type	Original Record Type	Level	Condition Number	Message Text
T	CAR/CUR/CDR	T	247	Submitted IPs do not match current CSI Documentation