Instructions and regulations for the transmission of Intrastat information to EDI-Intra
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0 Terminology

SCB,
Statistics Sweden
Intrastat
Respondent
Eurostat
IDEP.WEB
EDIFACT
XML
CUSDEC/INSTAT
INSTAT/XML
Message
EDI file
XML file
Transmission
EDI-Intra
SMTP
MIME/Attachment

Statistics Sweden, Foreign Trade Department
Statistics system for trade of goods within EU
Enterprise/organisation, which is responsible for submitting Intrastat information or the enterprise's or organisation's representative.
EU's statistical office in Luxembourg
Intrastat Data Entry Package / Combined Nomenclature (8-digit level)
Electronic Data Interchange For Administrations on Commerce and Transport, International UN standard for structured electronic messages
eXtended Markup Language
EIDFACT message type for Intrastat
XML message type for Intrastat
Containing Intrastat reports formatted in CUSDEC/INSTAT or INSTAT/XML format
May include one or more Intrastat messages formatted in CUSDEC/INSTAT
May include one or more Intrastat messages formatted in INSTAT/XML
Of messages with EDI file(s) or XML files(s) that are transferred to EDI-Intra.
Statistics Sweden's Internet-based receiving system for transmissions of standardised Intrastat messages.
Simple Mail Transfer Protocol, Internet standard for e-mail
Multipurpose Internet Mail Exchange, Internet standard for e-mail attachments
1 Introduction

EDI-Intra is an Internet-based receiving system for the transmission of Intrastat data in standardised EDIFACT or XML messages. Respondents transmit files directly to SCB via a web browser interface or via e-mail. A system at SCB receives, checks and validates the information during transmission. For each transmission, the receiving system sends a reply message to the respondent's web browser or e-mail address.

2 Requirements necessary to use EDI-Intra

Statistics Sweden accepts receipt of Intrastat information to EDI-Intra in two ways:

- Via the web form IDEP.WEB
- Via other software approved by Statistics Sweden

3 Intrastat information via IDEP.WEB

IDEP was originally a software program developed by Eurostat to facilitate reporting to Intrastat. CN8 is a search tool for the Combined Nomenclature.

Statistics Sweden has now updated IDEP to IDEP.WEB to facilitate reporting to Intrastat. IDEP.WEB can also be used by representatives handling Intrastat reporting for one or more organisations with duty to report information.

Registration of information is made either manually or via import of data files from the enterprise's system for finances, invoicing, or logistics. The program will automatically validate that the submitted information is correct. Many functions have been included in the program in order to facilitate reporting.
In addition to lists, models, and help texts, there is a search function for all the official goods codes with texts available via the CN8 part that is integrated in the program (the CN8 part may also be run separately). The program then converts these data to the official XML format that is accepted by Statistics Sweden for transmission via e-mail.

4 Intrastat information via other software programs

Software files other than from IDEP.WEB will only be accepted after approval from Statistics Sweden. A list of approved software's can be found at www.intrastat.scb.se/annanpgvlista.asp

5 Procedure for Statistics Sweden's approval of software

Software program suppliers and others intending to introduce functionality in Intrastat applications for transmission of Intrastat information to EDI-Intra may apply for approval from Statistics Sweden. This approval signifies Statistics Sweden's acceptance to receive and treat Intrastat information transmitted via e-mail and website to Statistics Sweden's reception function EDI-Intra.

Approval is given after the following requirements have been met:

- Application to Statistics Sweden is submitted to start test transmissions.
- Format of Intrastat messages shall be according to instructions given in this document.
- Transmission of Intrastat messages shall be according to instructions given in this document.
- Test results must be satisfactory.
6 Application form to begin test transmissions

Software program suppliers and others intending to introduce functionality in Intrastat applications for transmission of Intrastat messages according to instructions and rules in this document, may apply to begin test transmissions of messages with their own Intrastat data. The application may be submitted by filling in the form in appendix 5 and sending it by e-mail.

Statistics Sweden will send an e-mail reply regarding permission to begin test transmissions to the contact person listed on the form in appendix 5. Upon receipt of test permission, transmissions with the applicant's own test material can be sent to the e-mail address given to Statistics Sweden.

Important! The test material should include the following:

- All types of messages to be sent, new and nil report.
- Transmissions that contain more than one file, if applicable.
- Files that contain more than one message, if applicable.
- A variety of import and export messages with Intrastat data of varied content.
- Lines with different types of transactions, country codes, CN8 codes, net weight, supplementary units and invoice value.
- Minimum and maximum value for number of characters in field.

Test transmissions can be sent around the clock, unless otherwise stated. Satisfactory test results must be attained in order to receive certified approval from Statistics Sweden for software programs.
7 Instructions for message formatting

7.1 Formatting in EDIFACT

An EDI file is allowed to contain up to 99 messages for one or more reporting periods for one declarant enterprise. A representative is, however, allowed to submit messages for several declarants in the same file. Messages for arrivals and/or dispatches that are new reports or nil reports can be submitted in the same file. Lines in a message shall be in aggregated form. A message may contain a maximum of 2000 lines. All messages that are included in an EDI file must by created by the same software.

Message format: EDIFACT
Message type: CUSDEC/INSTAT
Version: D.99A
Type of report: New report = original report
Nil report = no information to report
Characters: ASCII ISO 8859-1
Rules: see appendix 1,
Intrastat Edifact Message Implementation Guideline

Please note! Corrections shall be made on a special form and sent to Statistics Sweden.
7.2 Formatting in XML

An XML file is allowed to contain up to 99 messages for one or more reporting periods for one declarant enterprise. A representative is, however, allowed to submit messages for several declarants in the same file. Messages for arrivals and/or dispatches that are new reports or nil reports can be submitted in the same file. Lines in a message shall be in aggregated form. A message may contain a maximum of 2000 lines. All messages that are included in an XML file must by created by the same software.

Message format: XML
Message type: INSTAT/XML
Version: 6.2
Type of report: New report = original report
Nil report = no information to report
Characters: ASCII ISO 8859-1
Rules: see appendix 3,
Intrastat XML Message Implementation Guideline

Please note! Corrections shall be made on a special form and sent to Statistics Sweden.
8 Instructions for transmission of Intrastat messages

Intrastat messages can be transmitted in an EDI or XML file via web browser and via e-mail. Transmission is possible around the clock all days of the week, unless otherwise stated. The file name should be unique, made up of the data related to the transmitted file. This data includes the respondent's organisation number, supplementary number and transmission reference.

See Annex 2, Regulations for naming EDI files
See Annex 4, Regulations for naming XML files

8.1 Via web browser

An Internet connected web browser is necessary, Internet Explorer v.3.02+ or Netscape Navigator 2.02+ or another browser that support file upload. Communication is secured via HTTPS/SSL (Secure Socket Layer). Transmission between respondent and SCB is encrypted and protected against unauthorised reading.

All processing of messages is done on SCB's server. For each transmission, a reply message is sent to the active EDI-Intra web session. If e-mail notification is activated, a reply message is also sent to the e-mail address or addresses given by the respondent.

As soon as the transmission receipt has been sent, confirming that a file has been received and is being processed, a new transmission can be done by going back one page in the web browser and choosing a new file to transmit. If e-mail notification is activated, it is not necessary to wait for the transmission receipt in the web browser before another transmission is carried out. When processing is finished, notification is sent in a reply message via e-mail.

8.1.1 Login details

A user name and password are required to login to the website. In order to obtain login information the software to be used must be approved by Statistics Sweden and an application must be made according to Annex 6, Application form login details for approved software.
8.2 Via e-mail

E-mail messages with attached EDI- or XML-files can be transmitted via Internet e-mail, SMTP/MIME Attachment. A transmission comprises an e-mail message with a maximum of ten (10) attached EDI files. When processing is finished, a reply e-mail message for each file will be automatically sent to the e-mail address of the sender of the transmission.

8.2.1 Option – Encryption of Intrastat messages

In order to insure privacy protection of Intrastat information, files can be encrypted before transmission to Statistics Sweden’s reception function. The sender is responsible for implementing encryption software, encryption functionality and that the instructions below are followed.

Please note! Encryption is a voluntary option that can be used now or later.

Encryption: PGP (Pretty Good Privacy)
PGP version: 2.x – 6.x
Public key: Registered by sender when implementing PGP software.
Public ID: Used when encrypting file.
Outdata format: Encrypted file to be in ASCII-text format.
Encrypt. method for public key: RSA/IDEA
Encrypt. degree in public key: 768 Bits

To receive the public key and ID, please contact the Intrastat Helpdesk at, intrastat@scb.se

Command that can be used in text line version of PGP software:

pgp –ea <file name according to appendix 2 or 4> <public id> 
-o <file name according to appendix 2 or 4>

Instructions when encrypting in graphic version of PGP software:

Files that are encrypted are to be saved with the attribute Text Output
9 Receipt of transmission at Statistics Sweden

EDI-Intra can receive transmissions around the clock all days of the year, unless otherwise stated. Every time a respondent transmits an EDI- or XML file via their web browser or via e-mail, an automated process begins directly after the file is received. The receiving system handles the transmitted files as follows:

- The file type is checked to ensure that the file is valid for transmission.
- It is checked that the file has not been previously transmitted.
- The transmission receipt is returned for confirmation that the file has been received.
- The message is checked so that the design complies with current regulations for Intrastat in EDIFACT or XML format.
- The message format and validation are checked to ensure that the Intrastat data has valid values.
- The receipt message with the receipt status for incoming messages in the transmission is sent.

10 Reply message

For each file transmission, a reply message is sent. If the transmission is received for processing, the reply message contains a transmission and a message receipt. The transmission receipt confirms that the transmission (file name = transmission receipt) has been received, at what time and that processing has begun. When processing is completed, a message receipt is sent with the results after the checking and validation of the message.
11 Receipt for approved test results

Receipt of approved test results will be sent via web browser or via e-mail to the e-mail address of the sender of the transmission. The receipt will be sent automatically from Statistics Sweden which the software being tested fulfils the criteria below:

- at least 10 files transmitted without error,
- at least 50 messages (reports) without error,
- and at least 1000 lines without error.

Status of above test criteria’s is presented in the reply message for each file transmission. Errors refer to those errors found in message at, EDIFACT- XML- or Intrastat level.

12 Certificate of approved software

Before a certificate of approved software can be issued, a receipt of approved test results must be received, according to section 11. This approval signifies Statistics Sweden's acceptance to receive and treat Intrastat information transmitted to Statistics Sweden's reception function EDI-Intra. The approval certificate will be sent via email to the contact person stated on the Application form to begin test transmissions. An approval is valid until further notice for software (name and version) and message type stated in the Application form to begin test transmissions.

13 Management of errors

Transmissions containing incorrectly formatted Intrastat messages are totally rejected. If a transmission contains both correct messages and messages that have errors on an Intrastat level (e.g. invalid commodity code, country code, etc.), only the incorrect messages are rejected. In the message receipt, information is given on the receipt status of each message, an error description in case of error, details of in which message and in which line item the error is found. Messages containing errors must be corrected and transmitted again by the respondent.
14 Support

The following terms of reference apply to support from Statistics Sweden regarding the transmission of Intrastat data via web browser or e-mail to EDI-Intra according to the instructions and regulations in this document.

- Statistics Sweden is not responsible for support if the transmission results in a reply message containing errors on EDIFACT-, XML or Intrastat level. If such errors occur, the reply message will advise referral to the manufacturer of the software for the Intrastat application.

- In case you have any questions regarding the information in this document and its appendices, please contact Statistics Sweden's Intrastat helpdesk at intrastat@scb.se
Appendix 1: Intrastat Edifact Message Implementation Guideline

This document has been originally created by Eurostat, EU’s statistical office in Luxembourg. Statistics Sweden has updated the document with national instructions and regulations for applicable Intrastat information. In sections *Service Segments* and *Message Segments* are descriptions on national regulations for applicable segments in the CUSDEC/INSTAT message under the heading "STATISTICS SWEDEN’S RULES". 
Appendix 2: Rules for naming EDI files

If sender is obligated to report information to Intrastat:

<table>
<thead>
<tr>
<th>EdifactSegment</th>
<th>Description</th>
<th>Statistics Sweden's rules format</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAD+DT_UNB/0020</td>
<td>Corporate registration no. + supplementary no. Transmission ref.</td>
<td>n12_an..14</td>
</tr>
</tbody>
</table>

File ending: .edi

Example: 999999999900_AA020401.edi

If sender is representative for declarant:

<table>
<thead>
<tr>
<th>EdifactSegment</th>
<th>Description</th>
<th>Statistics Sweden's rules format</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAD+AE_UNB/0020</td>
<td>Corporate registration no. + supplementary no. Transmission ref.</td>
<td>n12_an..14</td>
</tr>
</tbody>
</table>

File ending: .edi

Example: 999999999901_AA020401.edi
Appendix 3: Intrastat XML Message Implementation Guideline

This document has been originally created by Eurostat, EU's statistical office in Luxembourg. Statistics Sweden has updated the document with national instructions and regulations for applicable Intrastat information. In section 9. EXAMPLE OF AN SWEDISH INTRASTAT DECLARATION IN XML, are descriptions on national regulations for applicable elements in the INSTAT/XML message under the heading SCB FORMAT RULE.
**Appendix 4: Rules for naming XML files**

If sender is obligated to report information to Intrastat:

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;Party partyType=&quot;PSI&quot; partyRole=&quot;sender&quot;&gt; &lt;partyId&gt;_&lt;envelopeId&gt;</td>
<td>Corporate registration no.+supplementary no._transmission ref.</td>
<td>n12_an..14</td>
</tr>
</tbody>
</table>

File ending: .xml

Example: 999999999900_AA020401.xml

If sender is representative for declarant:

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;Party partyType=&quot;TDP&quot; partyRole=&quot;sender&quot;&gt; &lt;partyId&gt;_&lt;envelopeId&gt;</td>
<td>Corporate registration no.+supplementary no._transmission ref.</td>
<td>n12_an..14</td>
</tr>
</tbody>
</table>

File ending: .xml

Example: 999999999901_AA020401.xml
Appendix 5: Application form to begin test transmissions

This application will not be accepted unless all information is completed. The form will be e-mailed to intrastat@scb.se by clicking on the button "Send by e-mail" at the bottom of the form. Acknowledgement for permission to launch test transmissions will be e-mailed to the specified contact person.

<table>
<thead>
<tr>
<th>Company name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Postal address:</td>
<td></td>
</tr>
<tr>
<td>Contact person:</td>
<td></td>
</tr>
<tr>
<td>Contact person’s phone. No.:</td>
<td></td>
</tr>
<tr>
<td>Contact person’s e-mail address:</td>
<td></td>
</tr>
<tr>
<td>Message type:</td>
<td>(1)</td>
</tr>
<tr>
<td>Software name:</td>
<td>(2)</td>
</tr>
<tr>
<td>Software version:</td>
<td>(2)</td>
</tr>
<tr>
<td>Text for support referrals:</td>
<td>(3)</td>
</tr>
<tr>
<td>Date:</td>
<td></td>
</tr>
</tbody>
</table>

(1) State what message type will be used, CUSDEC/INSTAT D.99A or INSTAT/XML 6.2
(2) Software name and version that will be stated in message. Applies in segment RFF – second function for CUSDEC/INSTAT Applies in element <softwareUsed> for INSTAT/XML
(3) Text of your choice shown in reply message in event of errors at EDIFACT, XML or Intrastat level, max 300 characters.
Appendix 6: Application form login details for approved software

A user name and password are required to login to the EDI-Intra website. In order to obtain login information the software to be used must be approved by Statistics Sweden. [Click here for a list over approved software](#)

This application will not be accepted unless all information is completed. The form will be e-mailed to intrastat@scb.se by clicking on the button Send by e-mail at the bottom of the form. The contact person will receive an e-mail confirmation with login details.

Fill in details about respondent:

<table>
<thead>
<tr>
<th>Company name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate registration No.:</td>
<td></td>
</tr>
<tr>
<td>Postal address:</td>
<td></td>
</tr>
<tr>
<td>Contact person:</td>
<td></td>
</tr>
<tr>
<td>Contact person’s phone. No.:</td>
<td></td>
</tr>
<tr>
<td>Contact person’s e-mail address:</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
</tr>
</tbody>
</table>

Fill in details about the software you intend to use:

<table>
<thead>
<tr>
<th>Manufacturer of the software:</th>
<th>(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software name:</td>
<td>(2)</td>
</tr>
<tr>
<td>Software version:</td>
<td>(3)</td>
</tr>
</tbody>
</table>

(1) Name of the enterprise that received approval from Statistics Sweden for their software.
(2) Name of the approved software.
(3) Version of the approved software.
Appendix 7: Description of error codes

Transmissions containing incorrectly formatted Intrastat messages are totally rejected. If a transmission contains both correct messages and messages that have errors on an Intrastat level (e.g. invalid goods code, country code, etc.), only the incorrect messages are rejected.

In the message receipt, information is given on the receipt status of each message, an error description in case of error, details of in which message and in which line item the error is found. Messages containing errors must be corrected and transmitted again by the respondent.

<table>
<thead>
<tr>
<th>Error code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Syntax error - invalid characters</td>
</tr>
<tr>
<td>3</td>
<td>Message type/-version is not supported</td>
</tr>
<tr>
<td>4</td>
<td>Service segment/element is missing or incorrect</td>
</tr>
<tr>
<td>6</td>
<td>Data segment/element is missing or incorrect</td>
</tr>
<tr>
<td>013</td>
<td>Reference to transmission (file name) is used before</td>
</tr>
<tr>
<td>070</td>
<td>Message-id is used before for another message</td>
</tr>
<tr>
<td>452</td>
<td>Line item number is missing</td>
</tr>
<tr>
<td>501</td>
<td>Code for Goods flow is incorrect or missing</td>
</tr>
<tr>
<td>540</td>
<td>Net mass is missing</td>
</tr>
<tr>
<td>545</td>
<td>Net mass is incorrect</td>
</tr>
<tr>
<td>550</td>
<td>Supplementary unit is incorrect</td>
</tr>
<tr>
<td>560</td>
<td>Supplementary unit is missing</td>
</tr>
<tr>
<td>570</td>
<td>Invoice value is missing</td>
</tr>
<tr>
<td>671</td>
<td>CN8 goods code is incorrect or missing</td>
</tr>
<tr>
<td>685</td>
<td>Code for transaction type is missing</td>
</tr>
<tr>
<td>686</td>
<td>Code for transaction type is not valid</td>
</tr>
<tr>
<td>770</td>
<td>Corporate registration number is incorrect</td>
</tr>
<tr>
<td>785</td>
<td>Country code is missing</td>
</tr>
<tr>
<td>786</td>
<td>Country code is not valid</td>
</tr>
<tr>
<td>925</td>
<td>Reference period is missing</td>
</tr>
<tr>
<td>926</td>
<td>Reference period is incorrect</td>
</tr>
<tr>
<td>927</td>
<td>Reference period is not valid</td>
</tr>
<tr>
<td>1000</td>
<td>Naming of file is not compliant with rule</td>
</tr>
<tr>
<td>1002</td>
<td>Message is not created in software approved by Statistics Sweden for transmission to EDI-Intra and is therefore not accepted</td>
</tr>
</tbody>
</table>