



User Guide | INTERNAL  
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## SAP - File Modello CU (CUR)

# Content

- 1      SAP - File Modello CU (CUR) ..... 3**
- 1.1    Introduction. .... 3
- 1.2    File Modello CUR Report. .... 3
  - Results and Structure. .... 4
- 1.3    RPUTSVIO. .... 5
- 1.4    External Data Input. .... 6
  - Structure for Records PC. .... 7
- 1.5    Result Management. .... 8
- 1.6    BAdI. .... 9
  - Description of the Methods. .... 10
- 1.7    TemSe Records. .... 11

# 1 SAP - File Modello CU (CUR)

## 1.1 Introduction

This guide describes the File Modello CU (CUR) reporting functionalities.

The report summarizes all data for each employee generated by Certificazione Unica (RPC\_PAYIT\_CU) report in an output file.

In this document, the expression *electronic file* refers to the file containing the records A, B, C, D, G, H and Z.

The RPC\_PAYIT\_CU report uses data generated by CU in order to fill the boxes in records. This report generates the TemSe file and the PDF printable file with the garnishment paid by employees to beneficiaries. The TemSe file is a CUR file and must be sent to the Agenzia delle Entrate.

From 2018, a new report was created to view and download TemSe files: *Programma per la visualizzazione del catalogo TEMSE* (RPUTSVI0). The old RPUTMSI0 report is no longer used.

## 1.2 File Modello CUR Report

The File Modello CU (CUR) report is RPC\_PAYIT\_CUR and the transaction code is PC00\_M15\_CUR.

The report is run for an entire company code (BUKRS), there are few mandatory parameters:

- *Identificatore per Società*: you can filter employees per company.
- *Anno del modello CU*: which is set by default to 2021. This is the year that indicates which model the report should execute.
- *Anno di elaborazione*: is the income year, which is set by default. It is the year in which the payroll results are loaded (from January to December).

## 1.2.1 Results and Structure

File Modello CU report (RPC\_PAYIT\_CUR) presents 3 ALVs containing the results and also a general log. If it is run background mode, the same ALVs are sent to the user's print spool if they are selected).

Tipo	Testo del messaggio	Numero
<input checked="" type="checkbox"/>	Certificazioni elaborate	2
<input checked="" type="checkbox"/>	Dipendenti elaborati	2
<input checked="" type="checkbox"/>	Eredi elaborati	0
<input checked="" type="checkbox"/>	Moduli elaborati	4

- **TemSe:** this button opens the RPUTSVI0 report to display the generated TemSe result (the “electronic file”) if its generation is required.
- **Risultati:** this button opens the results ALV. The results of the report are presented in an ALV output with 9 fields:
  - C.I.D: personal number;
  - Sotto Tipo: type indicator, blank for employee, *E* for Heirs;
  - Numero di Sequenza: module identifier;
  - Parte CUR: identifies the part of each box, it can be:
    - *CT* for record C;
    - *DA* for record D;
    - *DB*, *DC*, *DF* and *DN* for record G;
    - *AU* for record H.
  - Numero Riga: number that identifies the “line” for variables of records as G and D.
    - Example: the Record G variable DA001001 has the LINEN = 001
  - Codice Casella CUR: number that identifies the box for variables of records like G and D.
    - Example: the Record G variable DA001001 (fiscal code) has the “Box number” (CODEN) = 001.
  - Origine CUR: indicates if the variable comes from CU input or if comes from an input file (“I1N” for step 1 and “I2N” for step 2). If a box is generated with input file using in the step 1, this box may be overwritten by the CU. If a box is issued in the step 2, the input file may override a CU.
  - Importo: this amount field contains all numeric variables.
  - Valore: this field contains the variable’s value in pre-formatted character-like data to be outputted in the final “electronic file”.
- **Totale per casella:** This button opens the Totals ALV:  
 This ALV contains the accumulation of numeric fields from the ALV Result. The *Importo* field contains the accumulation from the *Importo* field of Results ALV, the *Importo Intero* field contains the accumulation of the numeric data that was truncated or rounded in the Valore Field of Results ALV.

## Background processing

For background run, the input TemSes are also taken into account as explained in chapter [External Data Input \[page 6\]](#).

The output ALVs are sent to the print Spool. You use the transaction SP01 to view the generated spools. Each ALV available in standard log is placed into a different spool. In this transaction it is also possible to download the output tables in a few different file formats.

### 1.3 RPUTSVIO

When running the *Creazione file modello CU per Agenzia delle Entrate* (RPC\_PAYIT\_CUR) report with the option to create a TemSe file (select the *Salvare CUR TemSe* checkbox), the CUR results are created in the TemSe file "HR\_CCURIO\_\*\*\*\*\*" where \* is the suffix specified as import parameter of the RPC\_PAYIT\_CUR report.

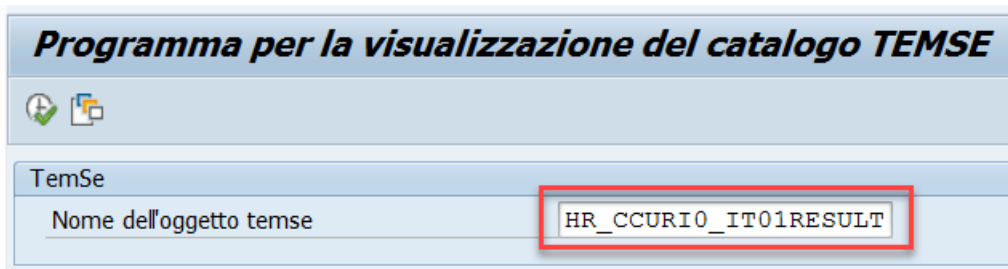
You can view this file with the *Programma per la visualizzazione del catalogo TemSe* (RPUTSVIO) report, you can also download it to a PC folder. In the RPUTSVIO report (transaction code PC00\_M15\_TEMSE\_FILE), it is possible to examine the details of the generated "electronic file".

This report uses the following views for the country code 15 (Italy):

- V\_T596A: This view is used to customize the application according to the TemSe file format.
- V\_T5F99F0: This view allows customization for more than one employee; it also customizes the TemSe object (CCURIO for CUR format) and customizes the class that reads the TemSe file.
- V\_T5F995: This view allows you to customize the structure that represents each row of the TemSe file.

From the 3 views described above, the program reads the TemSe file, creates buttons and functions.

In the report input field, you should enter the TemSe file name to display the TemSe file results.



The screenshot shows the SAP report interface for "Programma per la visualizzazione del catalogo TEMSE". Below the title bar, there is a section labeled "TemSe" containing a text input field. The input field is labeled "Nome dell'oggetto temse" and contains the text "HR\_CCURIO\_IT01RESULT". The input field is highlighted with a red rectangular box.

The following pushbuttons are available when displaying a CUR TemSe file:

- *Download*: You use this pushbutton to download TemSe files.
- *Testata Generale*: Shows the fixed fields of each row.
- *D; G; H*: These pushbuttons show variable information (box and value) of the records.
- *Totali G*: Shows the amount of all amounts for all employees of the TemSe file.

- **Resultati:** Shows the results of all boxes for all employees of the TemSe file. It shows the main CUR result ALV (the same result ALV that appears after the `RPC_PAYIT_CUR` report. run).

**File Modello CU**

Download | 
 Testata Generale | 
 D | 
 G | 
 Totali G | 
 H | 
 Resultati

---

**Informazioni Generali**

**Oggetto** HR\_CCURIO\_IT01RESULT  
**Generato per** ██████████  
**Programma** RPC\_PAYIT\_CUR  
**Data** 16.02.2018  
**Ora** 17:36:17

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Contenuto

A	CUR180112345678911						
B12345678911	00000001			94030080157	00		
D12345678911	00000001123456789012345	000010000000000000000000000015700006		ODA00100112345678911	DA001002TESTE	A	
G12345678911	00000001123456789012345	000010000000000000000000000015700006		ODB001001	5190,65	DB001006	
D12345678911	00000001LVRMRC93L11F205D000020000000000000000000000015794220			ODA00100112345678911	DA001002TESTE	A	
G12345678911	00000001LVRMRC93L11F205D000020000000000000000000000015794220			ODB001001	4534790,08	DB001006	
D12345678911	00000001FRNDAA35B55F205D0000300000000000000000000000000015794222			ODA00100112345678911	DA001002TESTE	A	

**i Posting Instructions**

It is possible to see the *C.I.D* (PERNR), *Tipo* and *Num.Seq* (the key of CUR’s result) fields in the details of the record G. These fields are saved in the “electronic file” in the field 8 of record G.

## 1.4 External Data Input

In the *interfaccia* section of the CUR’s selection screen, it is possible to manage the external data to be considered in CUR as well as override the CUR standard results.

The *Records PC File* parameter uploads data from text files. After using the parameter’s help dialog to select the file from user’s PC:

1. Click on the button next to the parameter to preview the loaded data.
  - This data is initially not considered in the File Modello CU report.
2. To make this data available, click on button.
  - This action saves the respective file data into a TemSe file. The file for parameter “Records PC” is saved in the TemSe parameter “Records PC TemSe”.

It is also possible to determine the suffix of the TemSe file for each parameter.

**i Note**

Use one different TemSe file for each company run, by naming it with the company’s code.

The final TemSe file for each parameter is: Records TemSe: `HR_CCUIIO_ + 'suffix'` (in this example: `HR_CCUIIO_IT01_RECDS`).

To display data saved in the TemSe with name (made by `HR_CCUIIO_ + 'suffix'` displayed in field “Records PC TemSe”), click on button right next to each TemSe Parameter.

The idea is to have to perform this task only once. Whenever CUR is run, in background mode or online, the data contained in the TemSe will be considered as the input.

Furthermore you can see what is contained in the input TemSe's at any time. Clicking on button , the content of the TemSe is replaced by the specified file in the path parameter.

## 1.4.1 Structure for Records PC

The file must be a text file with the following structure:

Structure for Records PC

Column	Field	Length	Type	meaning
1	REC_TYPE	1	Alphanumeric	Record type: A, B, D, E, F, G, J, H, I, Z
2	REC_SEQN	5	Numeric	The record sequence is referred as "progressive certificazione".  Each record A, B, C and Z supplied by this input file is discarded if this field is different than '00001'.
7	REC_NMOD	8	Numeric	The record sequence is referred as "progressive modulo".  Each record A, B, C and Z supplied by this input file is discarded if this field is different from '00000001'.
15	REC_BOXN	8	Alphanumeric	For the fixed part of records, or records that only have a fixed part as A and B, this field must be the number of the field, as ex: '00000001'.  For the variable part of records (like H), the field must be the variable itself, like ex: 'AU001001'.

Column	Field	Length	Type	meaning
23	REC_VALUE	200	Alphanumeric	<p>The value itself left-justified. In case of amounts or numeric data, the decimals must be separated with a comma and no dots. Example: '454545,6'</p> <p>The value is submitted to a format process that formats it according to the technical specification for each variable in <i>Allegato A</i> document. If the value is in a wrong format, the CUR report may reject it.</p>

## 1.5 Result Management

It is possible to perform corrections, without creating from scrap the whole final TemSe file (the file that contains the records A, B, C, D, G, H, Z) as follows:

**Opzioni di esecuzione**

Anno del modello CU

Anno di elaborazione

Identificatore per Società

Mostrare Risultati

Mostrare Totale per casella

Salvare CUR TemSe

Nome del file TemSe (suffisso)

- The *Nome del file TemSe (suffisso)* parameter has the suffix for the result TemSe. The Result TemSe is saved as: HR\_CCURIO\_ + Suffix. In this case: HR\_CCURIO\_IT01RESULT.
- The *Salvare CUR TemSe* checkbox specifies if the results are saved in the result TemSe or not (it acts as a "test mode").
  - Note that if this parameter is selected but the parameter *Nome del file TemSE (suffisso)* is empty, the result is saved in a TemSe with automatic numbering name (not recommended).



- The *Mostrare Risultati* checkbox determines if the *Risultati* section appears in the CUR report's log. In case you want to increase the report's performance and do not want to visualize this section, do not select this checkbox.
- The *Mostrare Totale per casella* checkbox determines if the *Totale per casella* section will appear in the CUR report's log. In case you want to increase the report's performance and do not want to visualize this section, do not select this checkbox.

## 1.6 BAdI

The BAdI is `HRPAYIT_CUR`.

The available methods are:

Methods' Descriptions

Methods	Description
<code>CHANGE_INPUT_DATA</code>	Allows Changes in input data like CUD data and customer data.
<code>CHANGE_EE_DATA_01</code>	Allows changes per Employee before Parts A, B, C, D.
<code>CHANGE_EE_DATA_02</code>	Allows changes per Employee after Parts A, B, C, D.
<code>CHANGE_ELETRONIC_FILE</code>	Allows modification on final eletronic file.
<code>INPUT_RECORDS</code>	Allows changes in the data retrieved from CU for all EEs
<code>CHANGE_CU_DATA</code>	Input records A, B, C, D, G, H, or Z.

### i Note

Notice that some parameters are type 'SORTED TABLE'. It is not possible to use the ABAP command "APPEND" to insert lines into these tables, the correct command is `INSERT *** INTO TABLE ***`.

Also notice that it is possible to forget the "TABLE" addition and the report will compile, but this will result in a dump during lines insertions. Remember that it is not possible to modify the key fields of sorted tables. If some modification requires that the key is changed, the entry is removed, and a new one inserted.

For the parameters that are internal tables, the type of the tables is declared inside the method using the same structure of `RPC_PAYIT_CUR`. It is also possible to declare these types in the data dictionary, and use them in the methods.

## 1.6.1 Description of the Methods

### CHANGE\_INPUT\_DATA

This method is called right after the import of "Records TemSe" import. With this method is possible to change the results imported by this process in CT\_INPUT\_DATA table.

### CHANGE\_EE\_DATA\_01 and CHANGE\_EE\_DATA\_02

These methods are called inside METHODS INSERT\_FIRST\_DATA and INSERT\_SECOND\_DATA, right after the input temse processing. Method CHANGE\_EE\_DATA\_01 is called in INSERT\_FIRST\_DATA, method CHANGE\_EE\_DATA\_02 is executed in INSERT\_SECOND\_DATA. These methods receive the PERNR structure and allow the modification of the currently processed employee's internal table during event GET\_PERNR. The methods can be used to define a specific logic per employee

### INPUT\_RECORDS

The method is called after the creation of the records. It serves as a data input alternative to the [Records TemSe](#). The format and logic in which the data must be inserted in the corresponding record.

Parameters' Records

Record	Parameter
A	CS_RECORD_A
B	CT_RECORD_B
C	CT_RECORD_C
D	CT_RECORD_D
G	CT_RECORD_G
H	CT_RECORD_H
Z	CS_RECORD_Z

## CHANGE\_CU\_DATA

This method is called after the build of final table with the CU results will all employees. With this method is possible to edit, add or delete CU data from any employee.

### i Note

The sorted table `CT_CUR_RESULT` will be used to build the final TemSe file.

## CHANGE\_ELETRONIC\_FILE

This method is called right before the electronic file is saved as a TemSe. It allows full modification on the sorted table (`CT_FILE`) that will become the TemSe.

Important: the methods which are called outside event `GET_PERNR` receive the suffix of the result TemSe via parameter `IV_RESULT_NAME`. If you have to run CUR in the same R3 system for different companies, you may use the result TemSe as an identifier to select the appropriate database data (not PY-IT standard data) for each company run of CUR report.

## 1.7 TemSe Records

Records A, B, and Z are always created in the electronic file. If the run corrects previous results, these records are also replaced.

It is possible to modify the fixed part of records A, B, C, D, G, H, and Z using the input temse or a badi method. In fact, the fixed part of these records must be determinate by the user.



Also, the fixed part of record G is replicated for all records G. The field 3 of records G are filled automatically, but it is also possible to change them with input file. The external data for records A and B have to be input with field `REC_SEQNR` equal to "00000001". Record Z is created automatically.

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