

UPLOAD PC FILE

Structured Mode Syntax

```

{ UPLOAD } { PC } [FILE] work-file-number [ONCE]
  READ    } WORK
          { RECORD operand1
          { [AND] [SELECT] { [ { OFFSET n } ] operand2 } ... }
          { [ FILLER nX ] } ... }
          [GIVING LENGTH operand3]
          [ AT [END] [OF] [FILE] ]
          [ statement ... ]
          [ END-ENDFILE ]
          statement ...
END-WORK
    
```

Reporting Mode Syntax

```

{ UPLOAD } { PC } [FILE] work-file-number [ONCE]
  READ    } WORK
          { RECORD { operand1 [FILLER nX] } ... }
          { [AND] [SELECT] { [ OFFSET n ] operand2 } ... }
          { [ FILLER nX ] } ... }
          [GIVING LENGTH operand3]
          [ AT [END] [OF] [FILE] ] { statement }
          [ DO statement ... DOEND ]
          statement ...
[LOOP]
    
```

This chapter covers the following topics:

- Function
- Syntax Description

- Example

For an explanation of the symbols used in the syntax diagram, see *Syntax Symbols*.

Related Statements: CLOSE PC FILE | DOWNLOAD PC FILE | READ WORK FILE

Belongs to Function Group: *Control of Work Files / PC Files*

Function

The `UPLOAD PC FILE` statement is used to transfer data from a PC to a mainframe platform.

See also:

- *Natural Connection* and Entire Connection documentation
- `READ WORK FILE` statement syntax description

Syntax Description

Operand Definition Table:

Operand	Possible Structure			Possible Formats											Referencing Permitted	Dynamic Definition
<i>operand1</i>	S	A	G	A	U	N	P	I	F	B	D	T	L	C	yes	yes
<i>operand2</i>	S	A	G	A	U	N	P	I	F	B	D	T	L	C	yes	yes
<i>operand3</i>	S							I							yes	yes

Format C is not valid for Natural Connection.

Syntax Element Description:

<i>work-file-number</i>	The number of the work file to be used. This number must correspond to one of the work file numbers for the PC as defined to Natural.
<i>operand1-2</i>	Field Specification: With <i>operand1</i> and <i>operand2</i> you specify the fields to be uploaded from the PC. The fields may be database fields or user-defined variables.
<i>statement</i>	No I/O statement may be placed with the UPLOAD PC FILE processing.
ONCE, SELECT, GIVING LENGTH RECORD	Options: For a description of the ONCE, SELECT, GIVING LENGTH options, refer to the corresponding sections in the description of the READ WORK FILE statement. The RECORD option is not permitted for PC work files. It will be rejected at runtime. When uploading data, if you wish to define a filler, you must use a dummy variable instead of the standard filler notation.
END-WORK	The Natural reserved keyword END-WORK must be used to end the UPLOAD PC FILE statement.

Example

The following program demonstrates the use of the UPLOAD PC FILE statement. The data is first uploaded from the PC and then processed on the mainframe.

```

** Example 'PCUPEX1': UPLOAD PC FILE
**
** NOTE: Example requires that Natural Connection is installed.
** CAUTION: Executing this example will modify the database records!
*****
DEFINE DATA LOCAL
01 EMPL VIEW OF EMPLOYEES
   02 PERSONNEL-ID
   02 INCOME
   03 SALARY (1)
*
01 #PID (A8)                /* Personnel ID on PC
01 #NEW-INCREASE (N4)      /* Increase for salary
END-DEFINE
*
UPLOAD PC FILE 7 #PID #NEW-INCREASE      /* Data upload
*
  FIND EMPL WITH PERSONNEL-ID = #PID      /* Data selection
  ADD #NEW-INCREASE TO SALARY (1)        /* Data update on host
  UPDATE
  END TRANSACTION
  ESCAPE BOTTOM

```

```
END-FIND  
*  
END-WORK  
END
```

Output of Program PCUPEX1:

When you run the program, a window appears in which you specify the name of the PC file from which the data is to be uploaded. The data is then uploaded from the PC.