Proposed Amendment
to E7 Interface Specification V1.03

GmbH

DEZIDATA

Author: **Dr.Rainer Decker**
dated: **March, 17th, 2006**

filei: q317e7_104a.doc

1 Purpose

Fix some minor inconsistencies in the existing document

E7 Rev. 1.04 MK / Datum: 17. Feb. 2005 (issued by FMC Sening)

Add feature to permit selection/deselection of certain data components for the transfer of Logfile data to the OTC..

2 Details

2.1 Change of Sub-Node name under Node "L_FILE"

The parameter used to select the starting time for the logfile data transfer should be consistent with the time stamp name used in node system:

Thus, I suggest to correct the example in para 3.2.2, table 1:

REQUEST,TDL,L_FILE,Date=20050119123456

as follows:

REQUEST,TDL,L_FILE,DATETIME=20050119123456

Reason:

- why not use the same keyword for an item in the same format, and containing the same information
- the name "Date" is misleading, as the data may also contain a more precise selection: time of day

2.2 Selection/Deselection of Headers in Logfile

I heard through third parties about a construction to select or deselect headers in logfiles for transfer:

SET,TDL,AUX,OUT(10)=1

would thus select and

SET,TDL,AUX,OUT(10)=0

would deselect the transmission of header data for the transfer of sensor data in the logfile.

Though I implemented this feature in our system (we have no problem because at current only four digital outputs are supported), however I suggest the following, more consistent way to select or deselect parts of the sensor data:

SET,TDL,L_FILE,MODE=x

would allow to specify any combination of data components.

The variable accessed (of course, it may also be REQUESTed through appropriate E7-telegrams) is memorised in the system after each change.

For the moment (this could easily be expanded), I suggest the following meaning of the bits in this mode variable (see table 1)

table 1: Meaning of the bits in variable TDL.L_FILE.MODE			
Nr	Bit Name	Value	Description
0	MODE_XFER_HEADERS	1	set bit 0 (value 1) if headers are to be xferred, clear bit 0 if the headers are to be suppressed in the transfer.
1	MODE_XFER_DATA	2	set bit 1 (value 2) if the DATA is to be transferred. Obviously, it seems not very meaningful to suppress the data transfer in general. Therefore: clear bit 1 to stop data transfer after the first data record. This allows a kind of "single step" operation.

Further bits may be added, if desired by users.

I suggest we discuss these proposals during the next meeting, planned for late spring 2006