TIFILES-Header – Description and Information

The TIFILES-Header was first developed by *Paul Charlton* for his program *Fast Term*.

With this format the transparent data transmission between two computers is made possible.

File structure and contents play no roll, information about the data is stored in 8 bytes (Offset >08 to >0F), which corresponds in the TI to the parameter block in the subprograms at >14 and >15.

The Header Used So Far

Offset in Header	Contents/Use	Description
>00	>07	Name length of the following String
>01 to >07	TIFILES	Recognition-String
>08,>09	Sector offset	Contents identical with bytes 2 to 10 of the parameter block of subprograms >14 and >15 of the Disk Controllers.
>0A	File status from FDS	
>0B	Data Records per sector	
>0C	EOF-Offset in the last Sector	
>0D	Data record length	
>0E,>0F	Data record count,sector count	
>10 to >7F	These bytes have different contents and are not evaluated by any program.	

These Unused bytes (>10 to >7F) are now used as follows in the extended format:

Offset in Header	Contents/Use	Description
>10 to >1A	TI Filename	Filename, set length of 10 bytes, filled with space characters
	unused	
>70,>71	Time of Creation	Copy of the bytes from the File Descriptor sector, bytes >14 to >1B. See the description below
>72,>73	Date of Creation	
>74,>75	Time of Actualization	
>76,>77	Date of Actualization	
	unused	
>7C,>7D	>0001	Header format recognition (here: **Version 1**)
>7E,>7F	>AAAA	Flag for Header extension

Description of the Date and Time codes

Byte >70	Byte >71	Byte >72	Byte >73	Byte >74	Byte >75	Byte >76	Byte >77
Time of Creation		Date of Creation		Time of Actualization		Date of Actualization	

Time:

Highbyte (>70 or >74)								Lowbyte (>71 or >75)							
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hour					Minutes			Seconds (/2)							

For the seconds 5 bits are available. Therefore the value for the seconds must be doubled. That means that no odd seconds can be stored (rounded off).

Date:

Highbyte (>72 or >76)								Lowbyte (>73 or >77)							
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Year							Month				Day				