DAD-Vehicle Communication Log File Requirements

File Name

The file name of the Raw Dynamic Data File shall contain the 16 character GUID supplied by calling function. (all chars are ASCII 48-57 and 97-122) and have the text "_DYNA" appended at the end of the GUID. The files extension shall be three characters only.

Examples:
c7a93487b68d6d10_DYNA.csv
4018204dbd519d20_DYNA.csv

File structure

Data header (First line of file):

The first line of the file shall contain twelve field names. the first field name shall be TIME and the second field name shall be ADDRESS. The remaining 10 field names shall be the names of the PIDs that were requested by the NWA. The naming convention is specified in column A "Column Name". The line shall NOT contain any spaces or commas in the field names. The line shall be comma delimited between column names.

Data lines of the file:

The remaining lines of the file shall be the communication data as sent and received from the vehicle's OBDII system and shall be formatted as outlined in "Data Layout" columns B through D. Comma delimiting shall be used.

General File Requirements

The file shall be a standard "CSV" file that is compatible with Microsoft Excel 2003/2007/2010.

No data within the file may contain commas (","). Commas must only be used as delimiters at the file level.

No data shall contain a "space" (ASCII char 32).

Data fields that do not contain values should contain the appropriate code such as "NS", "NR", as per this specification.

Column Name	Description of Data	Value Range or Value Type	Expected Format of Data to Output File
TIME	The time in milliseconds referenced from the start time of data capture.	Resolution of 1 millisecond. Range: 00000-99999	ASCII text with "ms" appended to value
ADDRESS	The hex address value of the vehicle's computer that the data is collected from.	00-FF for one byte addresses, 07E8-07EF for two byte addresses	Hex represented as ASCII
[PID_ITEM_01]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_02]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_03]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_04]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_05]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_06]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_07]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_08]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_09]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII
[PID_ITEM_10]	The Column Name shall be the name as requested from the NWA.	Hex represented as ASCII	Hex represented as ASCII

TIME,ADDRESS,SID01_PID03,SID01_PID04,SID01_PID05,SID01_PID0C,SID01_PID2C,SID01_PID2C,NR,NR,NR,NR
00000ms,07E8,0100,12,8B,2710,05,NR,NR,NR,NR
00100ms,07E8,0100,11,8B,270D,05,NR,NR,NR,NR
00200ms,07E8,0100,11,8B,270A,05,NR,NR,NR,NR
00300ms,07E8,0100,11,8B,270B,05,NR,NR,NR,NR
00400ms,07E8,0100,11,8B,270B,05,NR,NR,NR,NR
00500ms,07E8,0100,11,8C,270F,05,NR,NR,NR,NR
00600ms,07E8,0100,12,8C,2713,04,NR,NR,NR,NR
00700ms,07E8,0100,12,8C,2713,03,NR,NR,NR,NR
00800ms,07E8,0100,13,8C,2715,01,NR,NR,NR,NR
00900ms,07E8,0100,12,8C,2713,00,NR,NR,NR,NR
01000ms,07E8,0100,12,8C,2714,00,NR,NR,NR,NR