



13th Heavy Duty Hybrid (HDH) meeting 21-22 March 2013, Borlänge SWE

HILS Validation program

- Three vehicles will be available for validation test program 2 (April - June 2013)
 - ➔ One serial hybrid: MAN Bus
 - ➔ Two parallel hybrids: Volvo Bus, Iveco Truck
- "Kokujikan 281 "verification criteria will be used for validation
- SILS will be used during the time frame of this test program
- HILS is being investigated but it would require more resources to design HW I/O and dSpace equipment

HILS Completion

- Positive and support to modeling restructuring of model library and model signal interface
- Model within model library should be possible to be replaced if more accurate or better suited model are needed to be compatible with OEM specific control units. Models should be seen as optional due to non relevance in some applications
- Supportive to an optional path of powerpack testing and certification with or without direct emission measurement
- A procedure must be defined to decimate high frequency HILS output data to engine dyno 1 Hz input