

GRPE Informal Group on Heavy Duty Hybrids

7th HDH, Vienna, 12 to 14 October 2011



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UNITED NATIONS

UNITED NATIONS Task List for HDH Research Program

- ➤ To accomodate with its mandate, HDH will conduct a research program on the major elements of the HILS method. The research program covers the following five tasks:
 - Task 1: Investigation and modification, if applicable, of the Japanese HILS model and interface including a proposal for a verification method w/o vehicle testing
 - Task 2: Investigation and modification, if applicable, of the HILS component testing
 - Task 3: Extension of HILS to non-electrical hybrids, which are currently not covered by the Japanese test procedure
 - Task 4: Inclusion of PTO operation, which normally takes place outside the test cycle
 - Task 5: Development of WHVC weighting/scaling factors to represent real world vehicle operation



HDH Research Program

Project Overview

- At the 6th HDH meeting, the following project plan was adopted
 - TU Vienna will cover tasks 1 and 2; budget by OICA
 - TU Graz will cover tasks 4 and 5; budget by EU COM
 - Chalmers will cover task 3 and contribute to tasks 1, 4 and 5; budget shared between OICA, Sweden and Swedish Energy Agency (SEA)
 - TNO will assist EU-COM in managing the program (originally TRL)
 - Total budget is 265 k€

Status

- All contracts have been signed
- Work program is slightly behind schedule due to problems with contracts getting signed

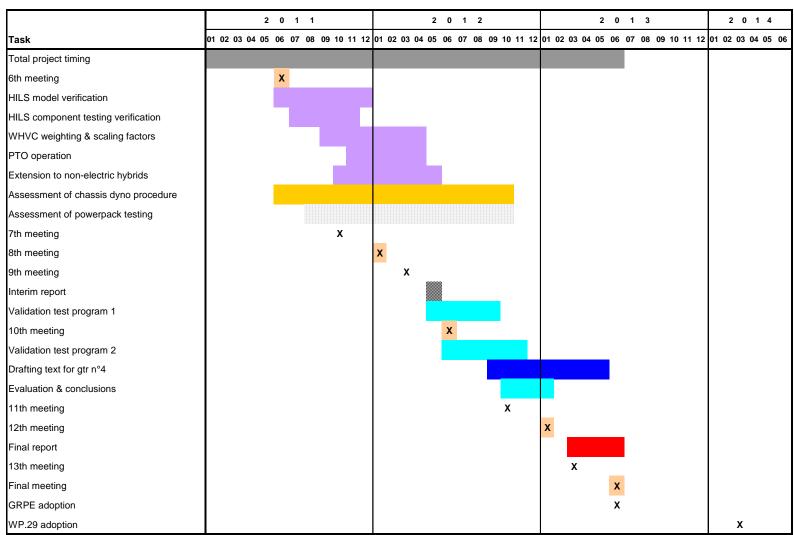


Cost Overview

Task	TU Vienna	TU Graz	Chalmers
1	40 k€	10 k€	4 k€
2	45 k€	-	-
3	1	-	47 k€
4	-	28 k€	2 k€
5	-	41 k€	3 k€
Travel	15 k€	15 k€	15 k€
TOTAL	100 k€	94 k€	71 k€
Budget by	OICA	EU-COM	OICA: 25 k€ Sweden: 19 k€ SHC: 27 k€



Roadmap & Project Planning



- •Roadmap has been modified to reflect delay of research program
- Timing for WP.29 adoption not affected