



SMART CALIBRATION

AVL fOX - COMING SOON

UPCOMING AVL **fox Applications**

The calibration tools, which are daily used by calibration engineers, can be divided into two families: standard tools and customized ones. In the current AVL fOX 1.2 release three custom applications are already available: Torque Mapping, Charge Determination and Hydraulic. For details about these applications please refer to the related product sheets. Further custom tools can be implemented on demand (see also figure below).

Additionally in the fOX 1.2 two standard applications are included: fSim and MapExpert:

- MapExpert: a powerful maps calculator 0
- fSim: a tool for the simulation of xCU functionalities 0

In the next AVL fOX 1.3 release, coming in the middle of 2010, the major upgrades will be:

- o **fSim Advanced**: an improvement of the actual version including more tasks automation
- o **fOXLab 1.0**: the first official release of our open platform for workflows development

Custom			Standard		Open platform	
Torque Mapping	Afterstart warm-up		MapExpert		fOXLab 1.0	
Charge Determination	Catalyst heating		fSim			
Hydraulic	OBD Monitoring		fSim Advanced	-		
OExhaust Temp. Mod.	SCR Storage Mod.					
O DPF Loading	O DPF Burning					
Oclutch Temp. Model	Oil Dilution Model					
ORaw Emission Model	Catalyst heating					
O Misfire Detection	Inst. AFR Compens.					
OSec. Air Pres. Diag.	and more	I				
	ailable Dp	coming		le application	ons	

AVL fOX is based on a framework, which already allows the coverage of a wide range of applications (i.e. calibration tools). AVL analyzed all the calibration tasks and related tools, in order to assess which of these are possible with the actual release 1.2. A list of all these applications is visualized on the left and shows how great the potential of the current AVL fOX release is. All listed applications can be implemented with a low effort, on demand in AVL fOX, or through the open platform AVL fOXLab.