



WLTP-AP Task force

Status Report and Open issues

Preparation 7th WLTP - *GENEVA, 3rd-June-2014*
M.C. Astorga



1st phone conference of the AP task force on the 16TH OF MAY

Introduction and brief introduction on the
scope of the AP task force

Presentation of results from VP2 on EtOH and
carbonyls (formaldehyde and Acetaldehyde)

Road map proposed and next meeting



VALIDATION PHASE 2 FOR SELECTED ADDITIONAL POLLUTANTS: EtOH & RCHO

Formaldehyde (HCHO), acetaldehyde (CH₃CHO) and ethanol (EtOH) emission factors (mg/km) over the WLTC.

	EtOH	HCHO	CH ₃ CHO	EtOH	HCHO	CH ₃ CHO	EtOH	HCHO	CH ₃ CHO
Sampling*	CVS	CVS	CVS	CVS	CVS	CVS	Tp	Tp	Tp
Technique	Impinger	DNPH-HPLC	DNPH-HPLC	FTIR	FTIR	FTIR	FTIR	FTIR	FTIR
Analysis	Off-Line	Off-Line	Off-Line	On-Line	On-Line	On-Line	On-Line	On-Line	On-Line
Group		JRC	JRC	HORIBA	HORIBA	HORIBA	JRC	JRC	JRC
FFV1	19 ± 12	0.10 ± 0.01	0.73 ± 0.06	22.6 ± 0.9	0.9 ± 0.6	4 ± 2	30 ± 9	0.99 ± 0.04	5.1 ± 0.4
FFV2	11 ± 2	0.15 ± 0.02	0.91 ± 0.07	23 ± 3	1.2 ± 0.2	5.9 ± 0.5	22 ± 3	1.3 ± 0.3	6.0 ± 0.4
FFV3	17	0.15 ± 0.02	0.9 ± 0.2	22 ± 11	1.2 ± 0.4	6 ± 1	22 ± 9	1.2 ± 0.2	6 ± 1
GV	-	0.05 ± 0.02	0.038 ± 0.003	7.1 ± 0.7	0.3 ± 0.1	-	-	0.26 ± 0.04	-

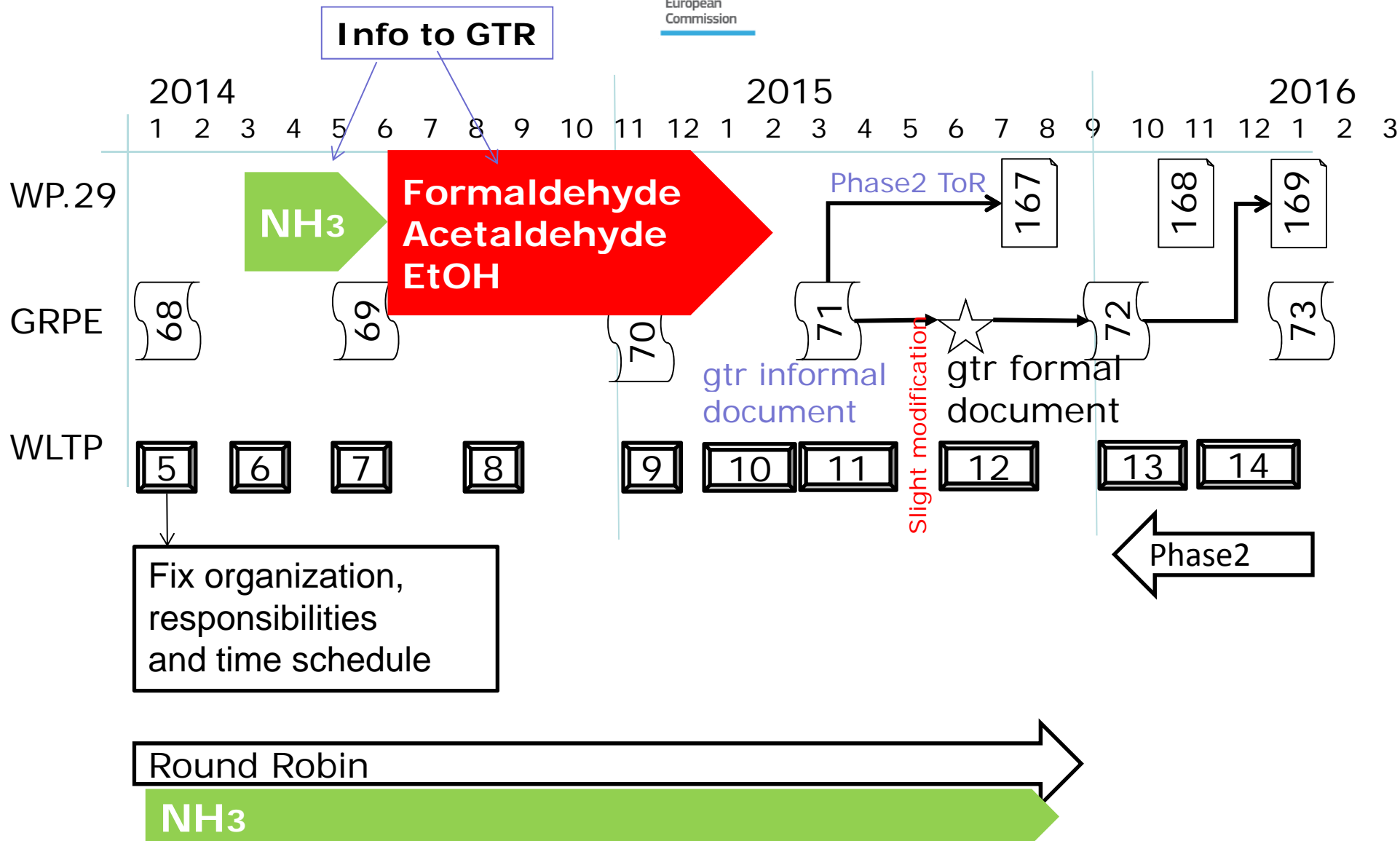
*Sampling points: CVS dilution tunnel; Tp tailpipe



VALIDATION PHASE 2 FOR SELECTED ADDITIONAL POLLUTANTS: EtOH & RCHO

**IT IS POSSIBLE TO MEASURE EtOH,
formaldehyde and acetaldehyde
At the CVS AND WITH ON LINE
METHOD**

WLTP Phase 1b





**Proposal to be discussed in the next
face to face meeting of the AP
Task force (Sep 2014)**

**Round Robin Test and/or Validation
phase?**

**Formula for AP (formaldehyde and
acetaldehyde)**