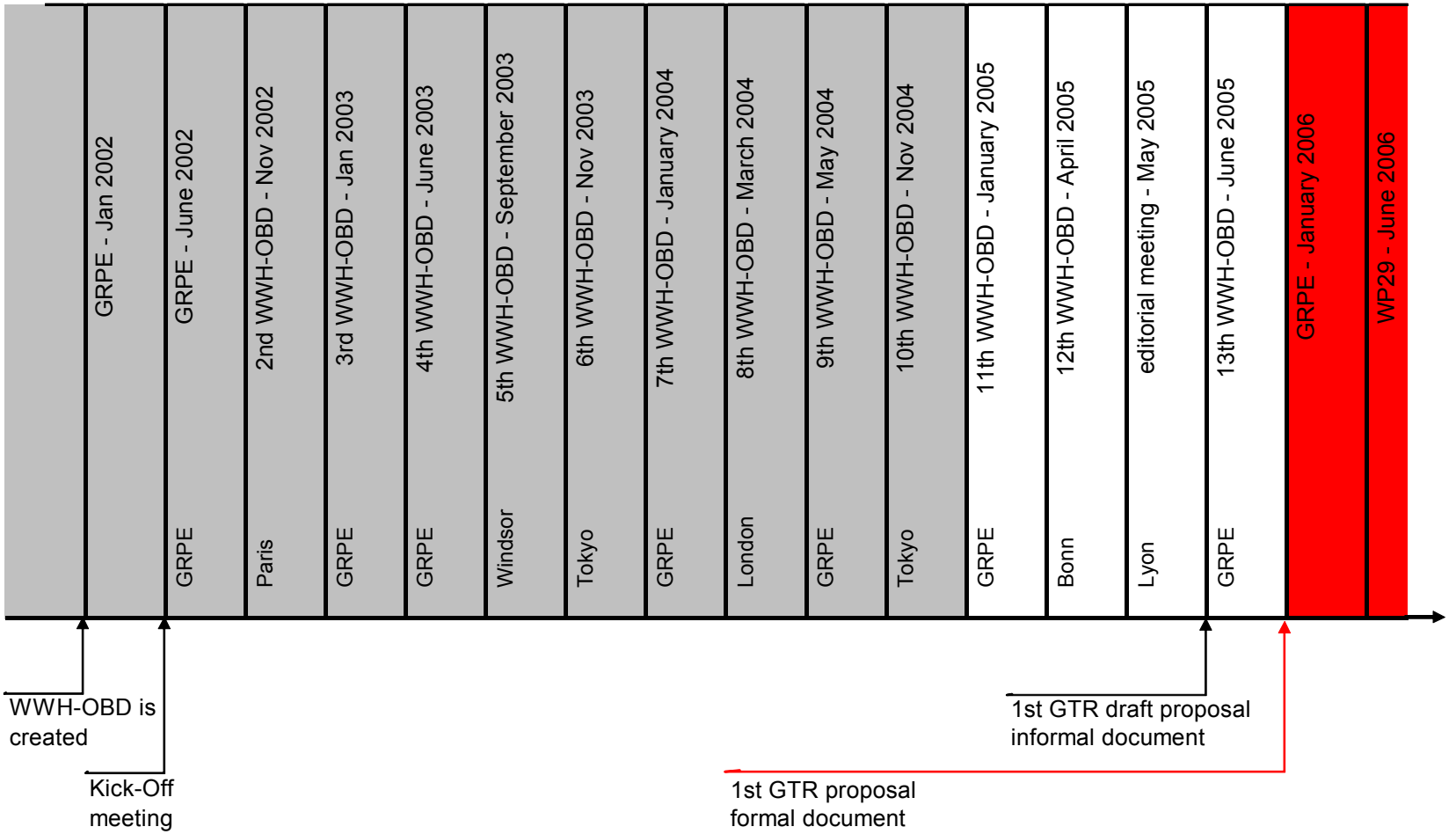
WWH-OBD

Status / conditions of success
Report to WP29/AC3 March 2005

WWH-OBD – WP29/AC3 decisions

- WP29_125 Nov01
  - 158. *[…]* the proposal by the United States of America to develop a global technical regulation concerning on-board diagnostic system for heavy-duty vehicles and engines (informal document No. 13) was well accepted *[…]*.
  - Inf. Doc. 13 *[OBD]* systems that detect emission related malfunctions and alert the vehicle operator by the illumination of a light on the vehicle control panel, thereby helping to ensure that emissions reductions from in-use vehicles are maintained. These systems *[…]* also assist the repair technicians in the identification and repair of the problem thereby reducing overall repair time

time-schedule overview



WWH-OBD – project status March 2005

- OBD Regulated functions
  - Diagnosis
    - To be noted: New concept enabling a failure classification
  - Alert
  - On-board / Off-board Communication
    - wired/wireless issue: guidance requested
- Structure of the gtr
  - Structure developed according to AC3 desires
  - Magnitude of the generic part: guidance requested

WWH-OBD – Wired/Wireless communication

- Current recommendations of the drafting group
  - Telematics in the long term, but out of the scope of the present GTR
  - 2 options within the GTR: wired and wireless, left to the decision of the regional authorities
- Project development (risks)
  - Wireless provisions can probably not be developed within the given project time-frame (ISO indication)
  - Lack of expertise on wireless communication within the working team (experts on emissions) to provide ISO with appropriate terms of reference.
- Possible condition of success = good sense measures
  - The scope of the GTR could in a first stage be limited to wired communication
  - When decided by WP29/AC3 and on the basis of the work on ITS currently under work a second version of the gtr could incorporate provisions for wireless communication.
  - The new ISO standard to enable a future extension to wireless

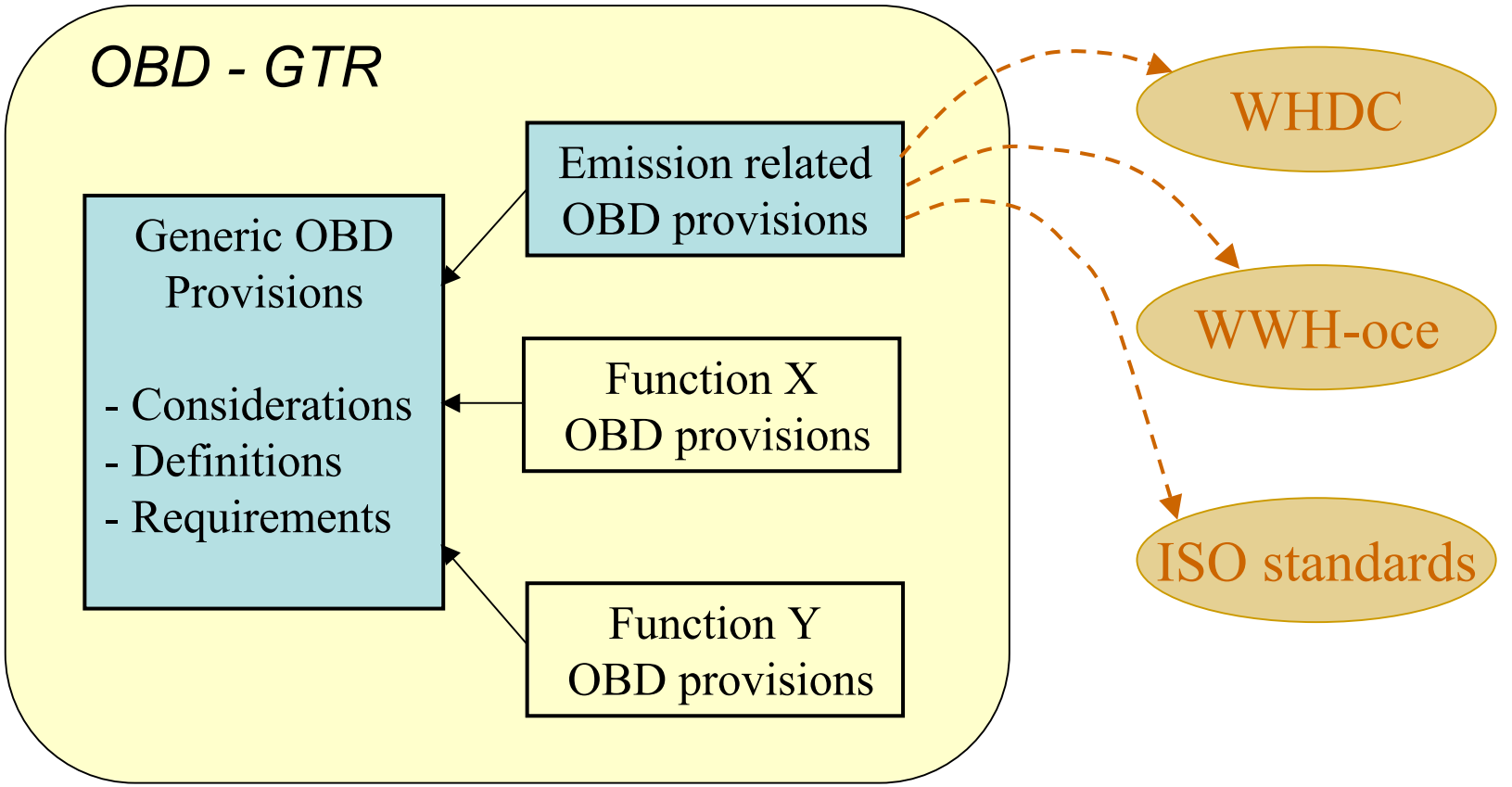
WWH-OBD – Structure of the GTR

- WP29 131 Nov03

148. *[…]* The representative of the United Kingdom suggested that the informal group should also take into account the use of OBD systems in other fields than the control of pollutants emissions.

AC.3 endorsed that suggestion, and asked the gtr informal group to develop a suitable structure to allow other systems to be added at a later date.

GTR structure - concept



WWH-OBD – Content of the generic part

- The generic part
  - Content of the generic part developed by GRPE experts
  - GRRF, GRSP, GRSG have been/will be informed
  - A multi-GR informal meeting intended to be convened on 30 May
  - Final draft planned October 2005 – No time for developing high level multi-functional provisions
- Condition of success (timing issue) = good sense measures
  - Generic provisions could be limited to "low hanging fruits" (e.g. definitions) in this first version of the gtr
  - Generic part could be completed by technical provisions (generic communication system, generic alert system, etc..) in a later stage when the OBD modules for other functions will be decided by AC3