## Questionnaire previous to the 2005 meeting of the CCL/CCTF joint working group

The CIPM on its meeting in autumn 2004 has decided that the unperturbed ground-state hyperfine quantum transition of  $^{87}{\rm Rb}$  may be used as a secondary representation of the second with a frequency of  $f_{Rb}\text{=}6\,834\,682\,610.904\,324\,\text{Hz}$ 

	b= 6 834 682 610.9		men of the decent with a nequency of	
an	d an estimated rela	tive standard unce	rtainty (1σ) of 3 x 10 <sup>-15</sup>	
1.	Frequency sources in the microwave domain			
	1.1. Have you made or are you aware of new absolute frequency measurements of the Rb hyperfine transition?			
	Yes	No		
	If yes, please list the values and uncertainties obtained and refer to the publication in which they may be found. Please be sure to include measurements made in other laboratories.			
	1.2. Are you aware of absolute frequency measurements of other microwave standards that should be proposed as secondary representations of the second?			
	Yes	No		
	If yes, please list the values and uncertainties obtained and the method used and refer to the publication in which they may be found. Please be sure to include measurements made in other laboratories in your country.			
	1.3. Are you currer domain?	ntly developing nev	v frequency sources in the microwave	
	Yes	No		
	If yes, please give a brief description of your experiment.			
2.	Frequency sources in the optical domain			
	2.1. Have you made or are you aware of new absolute optical frequency measurements suitable to serve as secondary representations of the second?			
	Yes	No		

If yes, please list the values and uncertainties obtained and refer to the publication in which they may be found.			
2.2. Are you currently developing new frequency sources in the optical domain?			
Yes No			
If yes, please give a brief description of your experiment.			
NAME:			
INSTITUTE:			