IAAC – PTB

Proficiency Testing II

Workshop: Identification of Regional PT Demand and Selection of a proposal of a proficiency testing provider for IAAC PT demand II

March 12th and 13th, 2012

at INN – Santiago de Chile

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PTB-IAAC PROFICIENCY TESTING WORKSHOP AS A SUPPORT TO THE PTWG OF THE IAAC LABORATORY SUBCOMMITTEE

Identification of Regional PT Demand and Selection of a proposal of a proficiency testing provider for IAAC PT demand

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1 OBJECTIVE AND SCOPE

The PTB-IAAC PT Workshop as a support to the PTWG of the Laboratory Subcommittee of IAAC was developed in Santiago, Chile, on 12th and 13th March, 2012, having as main objectives:

- To identify the regional PT demand
- To select a set of proposals of PT in order to be organized in the framework of IAAC

2 DEVELOPMENT AND RESULTS OF THE WORKSHOP

The workshop was held in Santiago de Chile, on 12 and 13 March 2012, in the facilities of the National Institute of Standardization - INN, Chile.

The following countries with their corresponding representative institutions attended the workshop (see Annex A – List of participants):

- Argentina: OAA (Accreditation Body), INTI and CEMIC (Proficiency Testing Providers).
- Bolivia: DTA- IBMETRO (Accreditation Body)
- Canada: SCC (Accreditation Body) and NRC.(Proficiency Testing Provider)
- Chile: INN (Accreditation Body), Codelco, ISP-Chile, Tecnigen-Randox (PT Providers)
- Colombia: ONAC (Accreditation Body)
- Costa Rica: ECA (Accreditation Body)
- Cuba: ONARC (Accreditation Body)
- Ecuador: OAE (Accreditation Body) y ASECAL (Proficiency Testing Provider)
- El Salvador: OSA (Accreditation Body)
- Honduras: OHA-SEPLAN (Accreditation Body)

- Jamaica: JANAAC (Accreditation Body)
- Mexico: ema (Accreditation Body) and NYCE (Proficiency Testing Provider)
- Panama: CAN (Accreditation Body)
- Paraguay: ONA-CONACYT (Accreditation Body)
- Peru: SNA-Indecopi (Accreditation Body) and ITP (Proficiency Testing Provider)
- Dominican Republic: DIGENOR (Accreditation Body)
- Trinidad & Tobago: TTLabs (Accreditation Body)

2.1 Previously to the realization of the workshop, a PTB consultant in coordination with the IAAC Proficiency Testing Working Group (PTWG) defined a more specific survey to help the representatives of the accreditation body to know their demand. We received the information of the majority of the countries and the Coordinator ot the PTWG integrated this information. So we developed the workshop taking into account this information[1]

2.2. As a result of the workshop a first summary table was given which represents the regional demand of PT, however this table would need to be revised in order to improve the identification of the PT needs. See Next Steps (point 6 of this report).

2.3. During the workshop it was discussed the content of regional PT demand recorded, considering the prioritized areas based on the information recorded and the comments given by the participants during the workshop. In the Table 1 is shown the priority areas in 2011 (PT Workshop held in August 2011) and in 2012 (PT Workshop held this year).

2.4 According to the table in August 2011, the prioritized areas were Construction and Energy Hydrocarbons and after, in 2012 the position of prioritization of these areas has changed. The information recorded in the first table, in 2011, was got, taking into account the information given by the representative of the accreditation body who attended the meeting. This information was revised by them in their countries, so after this we received a more accurate information; also we received information about the needs in proficiency testing of more countries. As a fruit of this new information we got this new table issued in February – March 2012, which reflects in a more real way the prioritization of the demand.

2.5 PT providers were invited by the group but attended at their own costs.

[1] During this workshop, we got a good information about the PT demand, also it was evidenced the necessity to ask for some additional information to have the regional PT demand better defined.

TABLE 1 PRIORITIZED DEMAND

AUGUST 2011	FEBRUARY-MARCH 2012
Construction	Food & Water Testing
Energy-Hydrocarbons	Environment
Environment	Calibration
Food	Construction
Water Testing	Energy-Hydrocarbons
Health Care (Clinical, Pharmaceutical)	Health Care (Toxicological in food, water, soil, Pharmaceutical, Cosmetic, Clinical)
Minerals	Minerals
Textiles	Textiles

2.6 In Annexe B it is shown the final version of the regional PT demand in detail

2.7 According to the Table 1, the prioritized areas were:

- Food & Water Testing
- Environment
- Calibration
- Construction

There was a particular demand in Calibration, however the group decided to try to cover this demand by means of the coordination between the Accreditation Body and the Metrological Institute in each country.

Another particular demand emerged in the Construction Area in force testing methods, after a discussion it was realized it is complex to organize a regional PT in this kind of testing methods because of that the group decided to try to cover this demand nationally.

It has been prepared a matrix of the evaluation of the demand which is shown in the Annexe B.

2.8 After defining the regional PT demand, the participants listened carefully the PT offer presented by the PT providers who attended the workshop and some other PT offer presented by some Accreditation Bodies. There were PT offers in:

- Food: Canadian PT Provider (CEAEQ, presented by SCC), INTI (Argentine PT Provider) and ISP-Chile
- ASECAL (from Ecuador)
- CODELCO: Minerals, proficiency testing in copper
- CEMIC (from Argentina) and TECNIGEN (from Chile)., proficiency testing in clinical testing methods.
- NRC (from Canada) intercomparisons in calibration
- ITP (from Peru), PT in hydrobiological products.

2.9 After the presentation of the PT offer, a matrix was prepared with the characterization of each PT provider presented in the workshop. The Table 2 shows a matrix of categories for characterization of a PT provider. See Annexe C to have access to this information in detail.

TABLE 2

CASE N°1	CASE N° 2	CASE N° 3
Coverage of the PT providers	The PTs have some gaps..	Still there is not any PT provider who offer any PT for the field
1.1 Available, on time. PT rounds periodically organized	2.1 Because scope not fully covered	3.1 Because samples are too expensive
1.2 Long time for the next round.	2.2. Because no reference value/lab/method available	3.2 Because matrix too complex or instable
1.3 Unknown date for the next PT	2.3 Because not enough participants in countries	3.3. Because demands too small, few labs
1.4 Acceptable costs	2.4 Because problems at border control	3.4 Because PT Provider is unknown, no information available about him.
	2.5 Because poor transportations services available	
	2.6 Because lack of competence in this area	

2.10 Finally, after further discussion, the following PTs proposals were the prioritized:

- Canadian PT: Pesticides in Food
- Argentine PT: Heavy metals in Water
- Argentine PT: Microbiology in Food
- Chilean PT: Microbiology in Food

In detail they were:

- **1st: Heavy Metals in Water, INTI, web page**

  It is not scheduled in web. However INTI could offer this PT previous coordination with the corresponding representative of IAAC. After this the cost could be arranged

- **2nd: Microbiology in Food, INTI, web page**

  - Salmonella spp in powder milk, in July 2012. For the beginning there is no any minimum number of participants, because INTI would integrate the IAAC participants to the common participants who register in this PT

  - Listeria y monocytogenes in powder milk, in July 2012. For the beginning there is no minimum number of participants, because they would participate jointly with other common laboratories which would register in the PT directly.

  http://www.inti.gob.ar/interlaboratorios/cronograma.htm

- **3rd: Pesticides in Food, CEAEQ,**

  - Carbofuran, Carbaryl, Cypermethrine, Diazynonas, Dimetoatos, Endosulphanes 1, Endosulphanes 2, Malathione, pp-DDT in matrixes as vegetables (tomato), meat (chicken, pork).

  - The PT provider has considered the realization of 4 rounds per year, so IAAC participant labs could participate in the fourth one. It is required a minimum of 4 to 6 participant laboratories.

  Estimated cost: CDN $400 per round by each participant laboratory

  TOM-100508-1-signé-ref material.pdf

2.11 After the corresponding voting, the Canadian PT, CEAEQ, was chosen by the participants.

These results were presented to the Laboratory Subcommittee in March 2012 and were accepted by consensus.

3. GROUP PHOTO

Representatives of IAAC Accreditation Bodies. Proficiency Testing Providers for the region and PTB consultant worked together in the workshop in proficiency testing subjects.

4. LIST OF SOURCES FOR IDENTIFYING PT PROVIDERS

1. BASE DE DATOS PTB-IAAC
2. BASE DE DATOS EPTIS
3. ENSAYOS DE APTITUD APLAC
4. INVESTIGACIÓN DE LAS ASOCIACIONES Y SOCIEDADES CIENTÍFICAS DEL SECTOR (ASTM, AOAC, ATCC, ETC)
5. ENSAYOS DE APTITUD QUE OFRECEN LOS INM DE LA REGIÓN (INTI, IBMETRO, INN, ETC)
6. ENSAYOS DE APTITUD CUYA REALIZACIÓN ES COORDINADA POR EL OA
7. INTERNET / GOOGLE

5. BENEFITS OF THE WORKSHOP (English)

- Tools for an adequate identification of the regional PT demand
- Criteria for an adequate identification of the PT offer
- It has been identified some opportunities for participating in bilateral or sub-regional PTs to be evaluated. Some of them are: Cupper PT (Chile, Bolivia and Peru), Wine PT (Chile and Argentina), Rum PT (In Central American and Caribbean countries), Meat PT and others.
- Better understanding between ABs and PT Providers
- Identification of at least one PT offer for this year.
- It has been identified PT providers which are willing to organize PTs for IAAC, depending on their capabilities.
- The PT providers take knowledge of new opportunities according to the regional PT demand showed
- The ABs are aware of the obstacles they have to identify the PT providers

5 BENEFICIOS DEL TALLER (Español)

- Herramientas para una adecuada identificación de la demanda
- Criterios para una adecuada identificación de la oferta
- Se han identificado además oportunidades de organización de PTs entre dos o más países, sub-regionalmente en productos tales como: vinos, ron, minerales, moluscos bivalvos, carne, entre otros.
- Mayor entendimiento entre los OAs – Proveedores de PTs participantes
- Identificación de 03 ofertas para los próximos dos años.
- Se identificó proveedores de PTs que están dispuestos a colaborar con IAAC
- Los proveedores de PTs tomaron conocimiento de nuevas oportunidades.
- Los OAs son más conscientes de los obstáculos que tienen para identificar proveedores del PTs, las cuales se tipifican en 03 casos.

6 NEXT STEPS (English)

- Include the information of the regional PT demand sent by the countries after the deadline.
- Revise and order the information sent till the workshop
- After defining the new structure for the table of the regional PT, require to the IAAC members the corresponding information: number of laboratories which could participate in the PT and the possible date.
- Integration, revision and order the information sent by the members and make it known to them
- Up-dating periodically the list of regional PT offer

- Support from PTB to the PTWG of the Laboratory Sub-Committee of IAAC to generate a first edition of the demand table which was started on the basis of the information received from the survey prior to this workshop

6. PRÓXIMOS PASOS (Español)

- Incorporar la información de las demandas de PTs remitidas por los países que enviaron después.
- Revisar y ordenar la información remitida
- Cuando se cuenta con el nuevo listado, requerir a los miembros incorporar la siguiente información: N° de laboratorios que participarían en el interlaboratorio, indicar el proveedor si lo tuviere y fecha tentativa de participación.
- Consolidación, revisión y ordenamiento de la información recibida y su circulación a los miembros de IAAC para su revisión
- Actualización de la lista periódicamente
- Apoyo de PTB al PTWG

May 2012

ANNEXE A

N°	Nombre	Position	Institution	Country	email
1	**Srta. Laura Pastore**	Professional of Laboratory Accreditation	OAA (Organismo Argentino de Acreditación)	Argentina	lpasto@mecon.gov.ar
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3	**Sra. Marta Torres**	Director of the External Quality Assurance Programme for Clinical Laboratories	CEMIC (Centro de Educación Médica e Investigaciones Clínicas "Norberto Quirno"	Argentina	mtorres@cemic.edu.ar
4	**Sra. Elizabeth Choque Mamani**	Responsible of Accreditation Laboratory	DTA-IBMETRO (Dirección Técnica de Acreditación – Insituto Boliviano de Metrología)	Bolivia	echoque@ibmetro.gob.bo; choque.elizabeth@gmail.com
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ANNEXE B

Demands	Construction	Energy	Environment	Food	Water	Calibration	Health Care	Minerals	Textiles	Other	SUM
ARG	4	5	7	3	14	18	9			7	**67**
BOL					2				2		**4**
CHI	4	3	2	7	6		1				**23**
COL	3	5	4	3	3		3		3	2	**26**
CRI	4	1	3	3	2	7	3			2	**25**
CUB											**0**
ECU		5	8	5	13	3					**34**
ELS	1			25	13	3	1			1	**44**
HON				7			2				**9**
JAM	4			6	8		1			1	**20**
MEX				1					9		**10**
PAR	10		7	6	6		1			5	**35**
PER	5		4	1				4		1	**15**
TTO											**0**
CAN	x	x		25					x	5	**30**
PAN		1									**1**
SUM	**35**	**20**	**35**	**92**	**67**	**31**	**21**	**4**	**14**	**24**	**343**

ANNEXE C

PT Provider	Country	Owner	Founded	Quality	# PTs /year	Food	Water	Environment	Calibration	Construction	Hydrocarbons	Textiles	Toxicology	Clinical	Minerals
ITP	PER	Gov				x	x								
ISP	CHI	Gov	1996	17043		x	x	x						x	
CODELCO	CHI	Priv		17043											x
ASECAL	ECU	Priv				x	x	x		x	x			x	
INTI	ARG	Gov	1957	17043		x	x	x	x	x	x		x		
CEMIC	ARG	Priv	1979	17043										x	
CNRC	CAN	Gov							x						
NYCE	MEX	Priv	2006	17043							x	x			
MIDDEP	CAN	Gov				x	x	x					x		
RANDOX	CHI	Priv												x	